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MIL-STD-2361A(AC)
31 May 2000

SUPERSEDING

MIL-STD-2361(SC)
30 January 1997

DEPARTMENT OF DEFENSE INTERFACE STANDARD

DIGITAL PUBLICATIONS DEVELOPMENT

AMSC N/A **AREA IPSC**

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FOREWORD

1. This standard is approved for use by the Department of the Army and is available for use by all Departments and Agencies of the Department of Defense.

2. MIL-STD-2361 established the Standard Generalized Markup Language (SGML) requirements for use in Army digital publications (This includes all subsets of SGML such as Extensible Markup Language (XML)). Within the standard, Army publications SGML requirements are separated by publication types. There are specified sections for administrative publications, training and doctrine publications, and technical and equipment publications. This second publication of the standard contains the SGML requirements for Army Technical Manuals (TM) developed in accordance with the functional requirements contained in MIL-STD-40051, training and doctrine publications developed in accordance with TRADOC Regulation TR 350-70, and administrative publications developed in accordance with Army Regulation AR 25-30. The SGML requirements are applicable for the development, acquisition, and delivery of Electronic and Interactive Electronic Publications (EP/IEP) such as Electronic and Interactive Electronic Technical Manuals (ETM/IETM) and Interactive Multimedia Instruction (IMI). Specific ETM/IETM functionality (e.g., display and database requirements), currently contained in MIL-PRF-87268 (Manuals, Interactive Electronic Technical: General Content, Style, Format, and User-Interaction Requirements) and MIL-PRF-87269 (Data Base, Revisable: Interactive Electronic Technical Manuals, for the Support of), will be included in future revisions to MIL-STD-2361. Specific IMI functionality is currently contained in MIL-PRF-29612 (The Development and Acquisition of Training Data Products) and TR 350-70(Systems Approach to Training Management, Processes, and Products).

3. MIL-STD-2361Ais a product-oriented interface standard that addresses SGML application to functional requirements set forth in Government functional requirements standards and specifications. This standard establishes the requirements for developing SGML publications in accordance with the various Army functional requirements standards and specifications. MIL-STD-2361A has been evolved from a hierarchy of acquisition and development documents ranging from policy documents, such as Department of Defense Instructions DODI 5000.1, Defense Acquisition, through MIL-PRF-28001, Markup Requirements and Generic Style Specification for Electronic Printed Output and Exchange of Text. Throughout the development of MIL-STD-2361, the primary focus and consideration has been to ensure compliance with existing DoD, Army, and international policy and requirements.

4. MIL-HDBK-2361, Implementation Guidance for Digital Publications Development, provides implementation guidance for MIL-STD-2361. MIL-HDBK-1222, Guide to the General Style and Format of U.S. Army Work Package Technical Manuals provides implementation guidance for MIL-STD-40051. DA PAM 25-40, Administrative Publications: Action Officers Guide, provides implementation guidance for AR 25-30.

5. Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Director, U.S. Army Publishing Agency (USAPA), ATTN: JDHQSV-PAP-E, Hoffman Building 1, 2461 Eisenhower Avenue, Alexandria, VA 22331, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

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1-1 Army Publication Document Type Definitions (DTD) . . . 1

1 SCOPE.

1.1 Scope. This standard establishes Standard Generalized Markup Language (SGML) and Extensible Markup Language (XML) requirements for digital development, acquisition, and delivery of Army administrative, training and doctrine, and technical and equipment publications. The requirements for technical and equipment publications include the development, acquisition, and delivery requirements for Electronic and Interactive Electronic Technical Manuals (ETM/IETM) when used in conjunction with MIL-PRF-87268 and MIL-PRF-87269. Designated appendices of this standard contain references to, and access instructions for, the modular SGML Document Type Definitions (DTD) and Tag Description Lists for the development of Army publications in conjunction with the respective functional requirements documents. Data prepared in conformance to these requirements will facilitate the automated storage, retrieval, interchange, and processing of publications from heterogeneous data sources. The requirements set forth by this military standard include:

a. Procedures and symbology for markup of unformatted text in accordance with this specific application of SGML.

b. SGML/XML compatible codes that will support encoding of administrative, training and doctrine, and technical and equipment publications to specific format and content requirements applicable to each type of publication.

c. Output processing requirements that will format a conforming SGML/XML source file to the style and format requirements of the appropriate Formatting Output Specification Instance (FOSI) based on the Output Specification (OS), Extensible Stylesheet Language (XSL) or XSL Transformation (XSLT). One use for XSLT is to transform well-formed XML document to Hypertext Markup Language (HTML) for viewing on web browsers.

1.2 Applicability. The standard is available for use by all Governmental Departments and Agencies, and by industry. The requirements contained in this standard may be applied to all Army programs that produce publication source data, and is directly applicable to all Army departmental publications, including administrative, training and doctrine, technical and equipment publications, including Electronic and Interactive Electronic Publications (EP/IEP) such as ETMs, IETMs, and Interactive Multimedia Instruction (IMI).

1.3 Standards Covered. This standard establishes the requirements for the SGML/XML digital encoding of all Army publications. The table in paragraph 1.3.1 display the functional requirements documents and the Formal Public Identifiers (FPI) of their associated MIL-STD-2361A document type definitions. Data files satisfying the requirements of this standard will be one of the types in the following paragraphs, as specified (see 2.2.1 for full titles).

1.3.1 Type 1 Data Files. Type 1 data files are for Army-approved document type definitions (DTD) that have successfully completed the Army SGML Registry and Library (ASRL) registration and approval process, and are for publications conforming to approved and authenticated military standards and other publications requirements documents.

Table 1-1. Army Publication Document Type Definitions (DTD)

Requirements Document	DTD Nomenclature	Formal Public Identifier (FPI)[1]
MIL-STD-40051A	General Preparation and Assembly Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN"
MIL-STD-40051A-1	Description and Theory of Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Theory Chapter REV 1.1 20000515//EN"
MIL-STD-40051A-2	Operator Instructions Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Operator Chapter REV 1.1 20000515//EN"

Requirements Document	DTD Nomenclature	Formal Public Identifier (FPI)[1]
MIL-STD-40051A-3	Troubleshooting Procedures Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Troubleshooting Chapter REV 1.1 20000515//EN"
MIL-STD-40051A-4	Maintenance Instructions Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Maintenance Chapter REV 1.1 20000515//EN"
MIL-STD-40051A-5	Repair Parts and Special Tool Lists (RPSTL) Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Parts Chapter REV 1.1 20000515//EN"
MIL-STD-40051A-6	Supporting Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Support Chapter REV 1.1 20000515//EN"
MIL-M-63029 (AV)	Aircraft Operators Instruction and Checklist Information Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Pilot Operator Chapter REV 1.1 20000515//EN"
MIL-M-63005 (AV)	Preparation of Aircraft for Shipment Chapter	"-//USA-DOD//DTD MIL-STD-2361 TM Shipping Chapter REV 1.1 20000515//EN"
TR 350-70	Mission Training Plan (MTP)	"-//DOD-USA//DTD MTP REV 4.0 20000515//EN”
TR 350-70	Drill Book	"-//DOD-USA//DTD Drill Book REV 4.0 20000515/ /EN”
TR 350-70	Soldier’s Training Publication (STP)	"-//DOD-USA//DTD Soldier Training Publications REV 4.0 20000515//EN”
TR 350-70	System Training Plan (STRAP)	"-//DOD-USA//DTD STRAP REV 4.0 20000515// EN”
TR 350-70	Field Manual (FM)	"-//DOD-USA//DTD FMML REV 4.0 20000515// EN”
AR 25-30	Joint Army Regulations (JAR)	"-//DOD-USA//DTD Multi-Service Army Reg. (MAR) REV 5.0 19990624//EN"
AR 25-30	Army Regulations (AR)	"-//DOD-USA//DTD Army Reg. (AR) REV 5.0 19990624//EN"
AR 25-30	Department of the Army Circular (DA CIR)	"-//DOD-USA//DTD Circular (CIR) REV 5.0 19990624//EN"
AR 25-30	Department of the Army Pamphlet (DA PAM)	"-//DOD-USA//DTD Army Pamphlet (PAM) REV 5.0 19990624//EN"
AR 25-30	Joint Department of the Army Pamphlet (JAP)	"-//DOD-USA//DTD Multi-Service Army Pamphlet (MAP) REV 5.0 19990624//EN"

1.3.2 Type 2 Data Files. Type 2 data files are for Army publications conforming to functional standards other than those listed in Table 1-1, and for which DTDs have not been approved. It is anticipated that in the future, additional DTDs and FOSIs will be approved and added to this standard.

1.4 Application guidance. This standard, MIL-STD-2361A, applies to all acquisitions for, and development or conversion of, Army publications, including development of new publications and application of SGML to

[1] The FPI shall define a specific version of a completed DTD and is not an URL.

legacy (existing) publications requiring SGML applications. Assistance in application and implementation of MIL-STD-2361A SGML can be obtained from the Army SGML Registry and Library (ASRL) (www.asrl.com).

1.4.1 Application of SGML to legacy publications. Refer inquiries regarding legacy data applications to the ASRL (See Appendix A, B, C or D).

1.4.2 Army SGML Registry and Library. The ASRL will be the repository for all Army SGML objects and constructs approved for Army use. SGML objects are elements, entities, attributes of elements, public identifiers, notations, and standard tagging schemes. SGML constructs are DTDs, FOSIs, and their fragments. Army-wide standardization of SGML objects and constructs facilitates reuse of data, reduces DTD development time, and allows more efficient source file tagging by using familiar markup rules. Administrative, training and doctrine, and technical and equipment publication SGML objects and constructs will be maintained in, and obtained from, the ASRL. Access addresses for the ASRL are:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. U.S. Mail: Requested files will be mailed on 3.5” DOS formatted diskettes or on 1/4” UNIX tar formatted tape. Requests may be submitted as follows:

(1) Written request:

Director, USAPA
ATTN: JDHQSV-PAP-E
2461 Eisenhower Avenue
Alexandria, VA 22331

(2) Telephone request:

Commercial: (703) 428–0508 or 0504
DSN: 328–0508 or 0504

1.4.3 SGML applications. SGML, as applied pursuant to this standard, describes the logical structure and content of documents; assures automated quality control over adherence to that structure and content; provides for delivery and storage of publication text in an easily maintained and updatable form; and provides for vendor, software, and platform independence. More detail regarding SGML applications and requirements is provided in paragraph 4.4. Additional background information can be found in MIL–STD–28001 and MIL–HDBK–28001.

1.5 Tailoring of task, method, or requirement descriptions. SGML/XML objects and constructs that have not successfully completed the ASRL registration and approval process may not be used for the development of Army publications. Tailoring of SGML/XML objects and constructs is allowed when required to meet specific publications functional requirements. However, such tailoring must occur within the parameters of existing SGML/XML objects and constructs. The processes for changing existing SGML objects and constructs, or creating new ones, are covered in paragraph 4.4.3.2.

1.6 Classification of Publications. Publication classifications within MIL-STD-2361Aare based on the classes into which publications (document classes) have been grouped, and for which DTDs have been approved. A summary description of each of the DTDs approved for use in accordance with this standard are listed in this section. The DTD classifications provided by this standard are available through the ASRL for use in the development of Army publications. Requirements for the DTDs and tag description lists associated with this standard are located in Section 4, General Requirements and Section 5, Detailed Requirements. Instructions and guidance regarding access, download, and use of the DTDs are located in Appendix A, B, C or D.

1.6.1 Administrative Publications.

1.6.1.1 Multi-Service Army Regulation (MAR). The MAR DTD establishes the SGML structure and format tagging conventions for use with AR 25-30. The DTD includes SGML constructs for the development of front, body, and rear matter information for MARs. The DTD also allows development and output of selected parts of a MAR. The formal public identifier for the MAR DTD is "-//DOD-USA//DTD Multi-Service Army Reg. (MAR) REV 5.0 19990624//EN".

1.6.1.2 Army Regulation (AR). The AR DTD establishes the SGML structure and format tagging conventions for use with AR 25-30. The DTD includes SGML constructs for the development of front, body, and rear matter information for ARs and Air Force Regulation (AFR). The DTD also allows development and output of selected parts of a AR or AFR. The formal public identifier for the AR DTD is "-//DOD-USA//DTD Army Reg. (AR) REV 5.0 19990624//EN".

1.6.1.3 Department of the Army (DA) Circular (CIR). The DA CIR DTD establishes the SGML structure and format tagging conventions for use with AR 25-30. The DTD includes SGML constructs for the development of front, body, and rear matter information for DA CIRs. The DTD also allows development and output of selected parts of a DA CIR. The formal public identifier for the DA CIR DTD is "-//DOD-USA// DTD Circular (CIR) REV 5.0 19990624//EN".

1.6.1.4 Department of the Army (DA) Pamphlet (PAM). The DA PAM DTD establishes the SGML structure and format tagging conventions for use with AR 25-30. The DTD includes SGML constructs for the development of front, body, and rear matter information for DA PAMs, Manual for Courts Martial (MCM), Technical Manual (TM), Technical Bulletin (TB), non-TRADOC Field Manual (FM), Training Circular (TC), Automatic Data Systems Manual (ADSM), Supply Bulletin (SB) and Supply Catalog (SC). The DTD also allows development and output of selected parts of a DA PAM, MCM, TM, TB, FM, TC, ADSM, SB or SC. The formal public identifier for the DA PAM DTD is "-//DOD-USA//DTD Army Pamphlet (PAM) REV 5.0 19990624//EN".

1.6.1.5 Multi-Service Department of the Army Pamphlet (MAP). The MAP DTD establishes the SGML structure and format tagging conventions for use with AR 25-30. The DTD includes SGML constructs for the development of front, body, and rear matter information for MAPs. The DTD also allows development and output of selected parts of a MAP. The formal public identifier for the MAP DTD is "-//DOD-USA// DTD Multi-Service Army Pamphlet (MAP) REV 5.0 19990624//EN".

1.6.2 Training and Doctrine publications.

1.6.2.1 Army Training and Evaluation Program (ARTEP).

a. Mission Training Plan (MTP). The MTP DTD establishes the SGML structure and content tagging conventions for use with TR 350-70. The DTD includes SGML constructs for the development of front, body, and rear matter information for MTPs. The DTD also allows development and output of selected parts of a MTP. The formal public identifier for the MTP DTD is "-//DOD-USA// DTD MTP REV 4.0 20000515//EN”.

b. Drill Book. The Drill Book DTD establishes the SGML structure and content tagging conventions for use with TR 350-70. The DTD includes SGML constructs for the development of front, body, and rear matter information for Drill Books. The DTD also allows development and output of selected parts of a Drill Book. The formal public identifier for the Drill Book DTD is "-// DOD-USA//DTD Drill Book REV 4.0 20000515//EN”.

1.6.2.2 Soldier Training Publications (STP). The STP DTD establishes the SGML structure and content tagging conventions for use with TR 350-70. The DTD includes SGML constructs for the development of front, body, and rear matter information for STPs. The DTD also allows development and output of selected parts of a STP. The formal public identifier for the STP DTD is "-//DOD-USA//DTD Soldier Training Publications REV 4.0 20000515//EN”.

1.6.2.3 System Training Plan (STRAP). The STRAP DTD establishes the SGML structure and content tagging conventions for use with TR 350-70. The DTD includes SGML constructs for the development of front, body, and rear matter information for STRAPs. The DTD also allows development and output of selected parts of a STRAP. The formal public identifier for the STRAP DTD is "-//DOD-USA//DTD STRAP REV 4.0 20000515//EN”.

1.6.2.4 Field Manual (FM). The FM DTD establishes the SGML structure and content tagging conventions for use with TR 350-70. The DTD includes SGML constructs for the development of front, body, and rear

matter information for FMs. The DTD also allows development and output of selected parts of a FM. The formal public identifier for the FM DTD is "-//DOD-USA//DTD FMML REV 4.0 20000515//EN".

1.6.3 Technical and equipment publications.

a. Technical Manual Assembly Information Chapter (MANUAL). The MANUAL DTD describes the SGML structure and content tagging conventions for MIL-STD-40051. To assemble a complete manual with all of its required parts (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN" for appropriate volume configurations.

b. Introductory Information and Theory of Operation Chapter (GIM). The GIM DTD establishes the SGML structure and content tagging conventions for use with MIL-STD-40051-1. To assemble introductory information with theory of operation with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-40051-1 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Theory Chapter REV 1.1 20000515//EN".

c. Operators Information Chapter (OPIM). The OPIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-2. MIL-STD-40051-2 does not cover requirements for the operation of aircraft. To assemble operator instructions with other required parts of the applicable TM (i.e., introductory information, troubleshooting, etc.) refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Operator Chapter REV 1.1 20000515//EN".

d. Troubleshooting Information Chapter (TIM). The TIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-3. To assemble troubleshooting procedures with other required parts of the applicable TM (i.e., introductory information, maintenance, etc.) refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Troubleshooting Chapter REV 1.1 20000515//EN".

e. Maintenance Information Chapter (MIM). The MIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-4. To assemble maintenance instructions with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Maintenance Chapter REV 1.1 20000515//EN".

f. Repair Parts And Special Tool Lists (RPSTL) (PIM). The PIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-5. To assemble repair parts and special tools information with the other required parts of the applicable TM (i.e., introductory information, etc.), refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Parts Chapter REV 1.1 20000515//EN".

g. Supporting Information Chapter (SIM). The SIM DTD describes the SGML structure and content tagging conventions for MIL-STD-40051-6. To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-40051 and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Support Chapter REV 1.1 20000515//EN".

h. Aircraft Operators Instruction and Checklist Chapter (PILOT-OPIM). The PILOT-OPIM DTD describes the SGML structure and content tagging conventions for MIL-M-63029 (AV). To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-361A (Draft) and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Pilot Operator Chapter REV 1.1 20000515/ /EN".

i. Preparation for Aircraft Shipment Chapter (SHIPIM). The SHIPIM DTD describes the SGML structure and content tagging conventions for MIL-M-63005 (AV). To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-361A (Draft) and public entity "-//USA-DOD//DTD MIL-STD-2361 TM Shipping Chapter REV 1.1 20000515//EN".

2 APPLICABLE DOCUMENTS.

2.1 General. The documents listed in this section are specified in sections 4 and 5 of this standard. While every effort has been made to ensure the completeness of this list, document users are cautioned that they must meet all specified requirements in the standards and specifications cited in sections 4 and 5 of this standard, whether or not they are listed in this section.

2.2 Government documents.

2.2.1 Specifications, standards and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defense Index of Specifications and Standards (DoDISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

DEPARTMENT OF DEFENSE

MIL-PRF-28000 - Digital Representation for Communication of Product Data: IGES Application Subsets and IGES Application Protocols.

MIL-PRF-28001 - Markup Requirements and Generic Style Specification for Electronic Printed Output and Exchange of Text.

MIL-PRF-28002 - Raster Graphics Representation in Binary Format, Requirements for.

MIL-PRF-29612 - The Development and Acquisition of Training Data Products.

MIL-PRF-28003 - Digital Representation for Communication of Illustration Data: CGM Application Profile.

MIL-PRF-87268 - Manuals, Interactive Electronic Technical: General Content, Style, Format, and User-Interaction Requirements.

MIL-PRF-87269 - Data Base, Revisable: Interactive Electronic Technical Manuals, for the Support of.

STANDARDS

DEPARTMENT OF DEFENSE

MIL-STD-1840 - Automated Interchange of Technical Information.

MIL-STD-40051 - Preparation of Digital Technical Information for Multi-Output Presentation of Technical Manuals.

HANDBOOKS

DEPARTMENT OF DEFENSE

MIL-HDBK-1222 - Guide to the General Style and Format of U.S. Army Work Package Technical Manuals.

MIL-HDBK-2361 - Implementation Guidance for Digital Publications Development.

MIL-HDBK-28001 - Application of MIL-PRF-28001 Using Standard Generalized Markup Language (SGML).

(Unless otherwise indicated, copies of the above specifications, standards, and handbooks are available from Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

2.2.2 Other Government documents, drawings, and publications. The following other Government documents, drawings, and publications form a part of this document to the extent specified herein. Unless otherwise specified, the issues are those cited in the solicitation.

REGULATIONS

AR 25–30 - The Army Publishing and Printing Program (APPP).

(Copies should be obtained from Uniform Resource Locator (URL) address http://www.usapa.army.mil)

TR 350–70 - Systems Approach to Training Management, Processes, and Products.

(Copies should be obtained from Uniform Resource Locator (URL) address http://www.tradoc.army.mil/tpubs/regs/r350-70/)

(Unless otherwise indicated, copies of the above regulations and pamphlets are available from U.S. Army Publications Distribution Center, 1655 Woodson Road, St. Louis, MO 63114–6181.)

2.3 Non-Government publications. The following document(s) form a part of this document to the extent specified herein. Unless otherwise specified, the issues of the documents which are DoD adopted are those listed in the issue of the DoDISS cited in the solicitation. Unless otherwise specified, the issues of documents not listed in the DoDISS are the issues of the documents cited in the solicitation.

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION (ISO)

ISO 8879 - Standard Generalized Markup Language (SGML) (DoD adopted).

(Application for copies should be addressed to the American National Standards Institute Inc., 1430 Broadway, New York, NY 10018–3308.)

WORLD WIDE WEB CONSORTIUM

REC-xml-19980210 - Extensible Markup Language (XML) Version 1.0.

REC-xml-names–19990114 - Namespaces in XML.

REC-xslt–19991116 - Extensible Stylesheet Language Transformations (XSLT) Version 1.0.

(Copies should be obtained from Uniform Resource Locator (URL) address http://www.w3.org/TR/REC-xml-19980210.)

2.4 Order of precedence. In the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

3 DEFINITIONS.

3.1 Definitions.

3.1.1 Acronyms. The following acronyms are used in this standard:

ASRL	Army SGML Registry and Library
CALS	Continuous Acquisition and Life-Cycle Support
CSL	CALS SGML Library
DA	Department of the Army
DoD	Department of Defense
DODISS	Department of Defense Index of Specifications and Standards
DSSSL	Document Style Semantics and Specification Language
DTD	Document Type Definition
EP	Electronic Publication
ETM	Electronic Technical Manual
FOSI	Formatting Output Specification Instance
FPI	Formal Public Identifier
HTML	Hypertext Markup Language
IEP	Interactive Electronic Publication
IETM	Interactive Electronic Technical Manual
IMI	Interactive Multimedia Instruction
ISO	International Organization for Standardization
OS	Output Specification
PDL	Page Description Language
SGML	Standard Generalized Markup Language
TRADOC	Training and Doctrine Command
TR	TRADOC Regulation
URL	Uniform Resource Locator
XML	Extensible Markup Language
XSL	Extensible Stylesheet Language
XSLT	Extensible Stylesheet Language Transformations

3.1.2 Glossary. These definitions are for terms found in this standard, are based on those available in ISO 8879-1986, and are repeated here for convenience only. For the full set of formal SGML definitions, see ISO 8879-1986.

3.1.2.1 Attribute (of an element). A characteristic quality, other than element_type or content.

3.1.2.2 Attribute Definition. A member of an attribute definition list within an attribute list declaration. It declares an attribute name, specifies the form and SGML-specific aspects of possible values, and specifies the action (such as providing a default value) to be taken if an attribute's value is not specified. In the display under ATTRIBUTE (Definition) LIST DECLARATION, each attribute definition is shown as: name_of_attribute allowable_values default.

3.1.2.3 Attribute (Definition) List Declaration. A markup declaration that associates an attribute definition list with one or more element types, shown as: <ATTLIST name_of_associated_element(s) name_of_attribute allowable_values default>

3.1.2.4 Attribute (Specification) List. Markup that is a set of one or more attribute specifications, shown as: attribute=value attribute=value attribute=value. The markup is used within a Start Tag, as in: <element_name attribute=value attribute=value attribute=value>.

3.1.2.5 Data-oriented. The SGML document instance used for data referencing, i.e. database. The SGML document instance is used to populate data management system, which is used in various ways as reference information, developing publication, source for EP/IEP, etc.

3.1.2.6 Declaration. A markup declaration that assigns an SGML name to an entity so that it can be referenced, shown as: <!ENTITY entity_name entity_text>.

3.1.2.7 Declaration Subset. A delimited portion of a markup declaration in which other declarations can occur.

3.1.2.8 Document Instance. The instance is the actual document text and its accompanying SGML tags conforming to the specifications and restrictions set forth in the DTD and stored in an ASCII text format.

3.1.2.9 Document type declaration. A markup declaration that contains the formal specifications of a document type definition, shown as:

```
<!DOCTYPE document_type_name optional_external_identifier [
 optional_document_type_declaration_subset
]>
```

3.1.2.10 Document Type Definition (DTD). An abstract collection of rules, determined by an application, that apply SGML to the markup of documents of a particular type.

NOTE

"'DTD' is occasionally—but not in compliance with ISO 8879 terminology—used as an abbreviation for 'document type declaration'; it is also an SGML reserved word used in formal public identifiers to indicate that the identified entity is a document type declaration set, and is often used to identify such a set."

3.1.2.11 Electronic Publication. A electronic page-based representation that provides concise, user-friendly information for instruction, repair, policy or guidance. The EP may interact with other EP or IEP information.

3.1.2.12 Element. A component of the hierarchical structure defined by a document type declaration. It is identified in a document instance by descriptive markup, usually a start-tag and end-tag, shown as: <element_type_name attribute=value attribute=value> content of the element </element_type_name>

3.1.2.13 Element Type Declaration. A markup declaration that contains the formal specification of the part of the definition of an element type that deals with the content and markup minimization, shown as: <!ELEMENT element_type_name start_tag_minimization end_tag_minimization content_model_group_or_declared_content content_exceptions>

3.1.2.14 Entity. A collection of characters or other data that can be referenced as a unit.

3.1.2.15 Entity Reference. A reference that is replaced by an entity, shown as: &entity_name; or %entity_name; the ampersand is used for general entities (referenced in the document element); the percent sign is used for parameter entities (typically referenced in the document type definition).

3.1.2.16 Entity Set. A set of entity (and comment) declarations that are used together.

3.1.2.17 Extensible Markup Language (XML). Extensible Markup Language, as specified in REC-xml-19980210, is a subset of SGML and requires conformance to ISO 8879.

3.1.2.18 Formatting Output Specification Instance (FOSI). An instance of the Output Specification (OS) that assigns values to the style characteristics for a particular document type definition. The FOSI uses the syntax of an SGML document instance and is designed to format documents for paper delivery.

3.1.2.19 Interactive Electronic Publication. A computerized screen-based representation that provides interaction with weapon system, instructor, student or technician. The IEP can provide training feedback, troubleshoot,

fault isolation, and/or training instruction. The functionality is provided by communicating and interacting with selected weapon system components.

3.1.2.20 Interim document. Interim or partial delivery of a technical publication that allows for Government review prior to final delivery.

3.1.2.21 Legacy data. Legacy data, for purposes of this standard, shall be defined as any data (paper or digital) that has not been SGML-tagged in compliance with the respective functional requirement standards or specifications, this standard, and MIL-PRF-28001.

3.1.2.22 Output file. A text presentation metafile developed through use of a page description language (PDL) is referred to as an output file.

3.1.2.23 Output Specification (OS). A finite set of style characteristics that convey formatting intent for interchange of publications coupled with a mechanism for binding the style characteristics to logical elements in an SGML document type definition. The OS uses the syntax of an SGML document type declaration.

3.1.2.24 Standard Generalized Markup Language (SGML). Standard Generalized Markup Language, as specified in ISO 8879, is a metalanguage that provides a coherent and unambiguous syntax for describing whatever a user chooses to identify within a document.

3.1.2.25 SGML Constructs. SGML constructs are DTDs, FOSIs, and their fragments.

3.1.2.26 SGML declaration. A markup declaration that specifies the character set, concrete syntax, optional features, and capacity requirements of a document's markup. It applies to all of the SGML entities of a document.

3.1.2.27 SGML Entity. An entity whose characters are interpreted as markup or data in accordance with ISO 8879.

3.1.2.28 SGML Objects. SGML objects are elements, entities, attributes of elements, public identifiers, notations, and standard tagging schemes.

3.1.2.29 Well-formed XML Document. Compliant with REC-xml-19980210 requirements, the basic rules for writing well-formed XML documents —

a. Start tags must have corresponding end tags
b. Elements can not overlap
c. XML tags are case-sensitive
d. Empty elements must either have an end tag or close the empty tag with "/>"
e. Reserved characters (< & > " ') are replaced with corresponding character sequence (< & > " ')
f. Each XML document must have a unique root element
g. Each attribute name in an element is unique
h. Each attribute name is followed by a value indicator (=) and a quoted string

4 GENERAL REQUIREMENTS.

4.1 Text markup. Textual material prepared in accordance with this standard, shall be marked up (tagged) in a manner that conforms to ISO 8879 (SGML), MIL-PRF-28001, and this standard. SGML shall be used:

a. To describe the logical structure and content of Army publications in an unambiguous grammar.

b. To assure automated quality control over adherence to that structure (parsing).

c. To develop, deliver and store Army publications text in the most easily maintained and updated form (e.g., database).

4.1.1 Source file delivery requirements. Textual material marked up in accordance with this standard shall be referred to as a source file. A complete SGML-tagged source file(s) shall be a mandatory part of each final product delivered in accordance with this standard. Delivery of the source file shall be in accordance with MIL-STD-1840, or as directed by the contracting activity.

4.1.2 Support file delivery requirements. When this section of the standard is cited by contract, delivery of DTD and FOSI (created in accordance with the DTD) support files shall be in accordance with paragraph 4.2 and paragraph 4.3 of this standard, and in compliance with MIL-STD-1840 or the contract.

4.1.3 Output file delivery requirements. When this section of the standard is cited by the contract, delivery of an output file shall be as directed by the contracting activity.

4.1.4 Interim document delivery requirements. Interim deliverables, if required, shall be specified in the contract and may include a source file, output file, or other specified format.

4.2 Document structure. This section establishes requirements for SGML Document Type Definitions (DTD). A DTD shall be used to define the organization and logical structure of elements, entities, and attributes allowed in a particular document. It shall also be used to control automated processing functions (such as parsing) that support quality assurance requirements.

4.2.1 Conforming Army publications. Army publications developed in accordance with the functional requirements cited in this standard, and shall conform to the document type declaration set defined in paragraph 4.4.8 of this standard, or as otherwise specified in the contract. The document type declaration specified in paragraph 4.4.8 need not be delivered with the tagged text, but shall be cited by its public identifier.

4.3 Output Specification (OS) and Formatting Output Specification Instance (FOSI). The OS provides a set of formatting characteristic values used to rigorously describe composition processing functions to be performed on the elements of a text document to provide the format style required by a functional specification or standard, such as MIL-STD-40051, AR 25-30 or TR 350-70. A Formatting Output Specification Instance (FOSI) delivered with the document shall contain values of characteristics for every tag used in the DTD, in every context in which the tag has a unique formatting requirement, and with its attributes if they affect the formatting.

4.3.1 Conforming publications. Publications encoded in SGML, in accordance with this standard (paragraph 1.3.1 or paragraph 1.3.2) shall be accompanied by a FOSI or style sheet compatible with the DTD. The FOSI or style sheet incorporates the requirements for output format and style stated in the controlling specification or standard.

4.3.2 Output files. An output file may be specified by the contract as an interim deliverable (that is, a deliverable prior to final delivery of the SGML-tagged source file) (see paragraph 6.2). An output file may also be specified by the contract as a final deliverable in addition to (but not as a substitute for) the SGML tagged source file.

4.4 Detailed SGML applications and requirements.

4.4.1 General. Conforming SGML applications shall contain: document type declaration, DTD, document instance, and FOSI or style sheet.

4.4.2 Document type declaration. The document type declaration shall conform to ISO 8879, MIL-PRF-28001, and this standard, and reference a contractually specified DTD (see Appendix A, B, C or D) with a formal public identifier (see paragraph 4.4.3.4).

4.4.3 Document Type Definition (DTD). A DTD shall conform to ISO 8879, the SGML Declaration in paragraph 4.4.8, and this standard.

4.4.3.1 SGML/XML object and construct reuse. DTDs used for development of Army publications pursuant to this standard, shall contain Army-approved standard SGML/XML objects and constructs as defined by this standard. Army-approved SGML/XML objects and constructs shall be obtained from the ASRL for use in development of all Army publications developed using SGML/XML.

4.4.3.2 SGML/XML Object and Construct Registration. When specified in the contract or other form of agreement (see paragraph 6.2), SGML/XML object and construct requirements for the definition of a document, or class of documents, structure and content that are not covered by Army-approved SGML/XML objects and constructs in the ASRL, shall be submitted to the ASRL for approval.

4.4.3.3 SGML/XML Object and Construct Access. Access to Army-approved SGML/XML objects and constructs shall be obtained through the ASRL. Procedures for access to the ASRL are contained in Appendix A, B, C or D.

4.4.3.4 Formal public identifier (FPI). A completed DTD shall have a formal public identifier (FPI) conforming to ISO 8879 and this standard. The FPI shall define a specific version of a completed DTD. An FPI shall not identify more than one DTD, or more than one version of a DTD. Formal public identifiers such as "-//DOD-USA//DTD EXAMPLE MIL-HDBK-28001 V1.0 20000531//EN" shall have the following characteristics:

a. A registered owner identifier. For the DoD, this will be the dash or minus sign (-).
b. An owner identifier, for all DoD components, this shall be "DOD-USA" entered without the quotation marks.
c. A minimal description (called the "public text description" in ISO 8879), divided into two sections:
    (1) Public text class - This is an SGML construct listed in ISO 8879. In the example, the public text class is "DTD".
    (2) Public text description - A short description of the object being identified. In the example, the public text description is "EXAMPLE MIL-HDBK-28001 V1.0 20000531".
d. A two character language code. In the example, the two character code is "EN."

4.4.4 Document instance. The document instance shall conform to ISO 8879, this standard, and the contractually specified DTD.

4.4.4.1 SGML Tagging. There are generally two methods used in SGML to tag documents: structure tagging and content tagging. The method applied to a particular application will depend on the tagging organizations' goals and the applications for which the information is created. Publications developed or acquired, in accordance with this standard, shall be tagged in accordance with the requirements contained in this standard and the requirements of the tagging organization implementation guidance.

a. Structure tagging. Structure tagging is used to model and encode publications information according to the structure or format of a document or class of documents. Structure tagging is included as part of the tagging conventions of this standard and shall be used in conjunction with content tagging, to the maximum extent possible, for the acquisition and development of publications.
b. Content tagging. Content tagging is the cornerstone of the MIL-STD-2361A philosophy for data reuse and sharing. Content tagging shall be used to identify document components by the functional nature of the information contained in the respective components (e.g. directives, procedures, maintenance tasks, individual tasks, etc.).

c. Structure and Content Application. Army publications developed or acquired in accordance with this standard shall combine structure and content tagging, to the maximum extent possible, to ensure the highest levels of effectiveness and usefulness of the document instance. Publications development shall include the application of generic structure tags, such as ***<title>*** and ***<para>***, when these elements are part of the content model of a content tag. For example, a military specification may state that the body of a document must contain a maintenance chapter, an assembly chapter, and an undetermined number of chapters in that specific order. Elements such as maintenance, assembly, and chapter can be used to provide the content and structure requirements. The element declarations can be written as follows:

```
<!ELEMENT body - - (maint, assem, chapter+)>
<!ELEMENT (maint | assem | chapter) - - (title, section+)>
```

This allows the content to be defined explicitly for the maintenance and assembly chapter while still allowing multiple non-content specific chapters to be defined. All of the example chapters have the same content model.

4.4.4.2 Technical Manuals. Each of the MIL-STD-40051 content parts is comprised of a similar structure. The top level is an information tag, such as ***<gim>***, ***<opim>***, ***<mim>***, ***<tim>***, ***<pim>***, or ***<sim>*** (see paragraph 1.6.3). These top-level tags contain specialized sets of work package elements that are, in some cases, unique to the respective chapters, while, in other cases, common to one or more of chapters. For example, maintenance chapter ***<mim>*** can contain work packages comprised of elements that are unique to that chapter, such as service upon receipt work packages (***<surwp>***), preventive maintenance work packages (***< pmcswp>***), maintenance instruction work packages (***<maintwp >***), etc. MIL-STD-2361A has assembled elements that are common to one or more chapters into element subsets that can be invoked by the information chapter DTD being used. The top level chapter tag shall be used for building one or more work packages.

a. Work package identification number. A unique identification number shall be assigned to each work package and shall not be changed throughout the life of the work package. The work package identification number shall be developed in accordance with the functional requirements inMIL-STD-40051.

b. Work package content. Work packages shall contain information, as required by the functional requirements standard or specification, such as the following:

(1) Identification block.

(2) Initial setup.

(3) Tasks (e.g., maintenance tasks, training tasks, etc.).

(4) Paragraphs.

(5) Procedures.

(6) Steps.

(7) Tables.

(8) Lists.

(9) Warnings, cautions, and notes.

(10) Figures.

(11) Illustrations.

4.4.4.3 Training Publications. Each of the training DTDs is composed of a structure which reflects the requirements established in the functional requirements document TR 350-70, Systems Approach to Training Management, Processes, and Products. DTDs were developed by rigidly interpreting the structure, content, and style requirements contained in TR 350-70. Methods of accessing the training DTDs are contained in Appendix B.

Training information is divided into three functional groups: individual training, collective training and management. Each functional group has one or more DTDs to describe the requirements established in TR 350-70. The functional groups and the top level requirements are the following:

a. Individual training (Soldier Training Publication (STP)). The STP contains training requirements for the soldier.

b. Collective training (Army Training and Evaluation Program (ARTEP))

(1) Mission Training Plan (MTP) contains unit description and requirements for training for a mission.

(2) Drill Book contains disciplined, repetitious exercises to train a skill or procedure.

c. Management System Training Plan (STRAP). The STRAP provides a systematic approach to training for the development and integration of new system training.

4.4.4.3.1 Work package elements. Each of the top level requirements comprises a DTD, which contains specialized sets of work package elements that are, in some cases, unique to the respective DTD while, in other cases, common to two or more DTDs. An example is MTP which contains unique elements that relate to the MTP DTD only, such as MTP exercise introduction work package ***<exer.intro.wp>***. Other work packages elements are shared by two or more DTDs. An example is the drill work package ***<drill.wp>*** which is common between MTP and Drill Book DTDs.

4.4.4.3.2 Work package identification number. An unique identification number shall be assigned to each work package and shall not be changed throughout the life of the work package. This unique identification number shall be developed by using the training task number assigned by TRADOC and preceded by a "t" (The letter is necessary because SGML requires a NAME type for Ids). Work packages other than training tasks shall use the publication number with the work package element name.

4.4.4.4 Doctrine Publications. The FMML DTD is composed of a structure which reflects the requirements established in the functional requirements document TR 350-70, Training Development Management, Processes, and Products. The FMML DTD was developed by rigidly interpreting the structure, content, and style requirements contained in TR 350-70. Methods of accessing the FMML DTD may be found in Appendix C.

Doctrine information is divided into four functional groups: structure, index, standard doctrine terminology, and meta information (e.g., information unique to a proponent activity). Each functional group has a set of SGML tags to describe the respective functional groups and designate content information for markup using the FMML DTD.

4.4.4.4.1 Structure tagset. The structure tags are generally applicable across all FMs. Structure tags shall be used to designate content information for use in tables of content and indexes. Examples of structure tags are ***<title>*** ***<emphasis>***.

4.4.4.4.2 Index tagset. Index tags are also generally applicable across all FMs. Index tags shall be used to designate content information for use in indexes. Examples of structure tags are ***<index.entry>*** ***< index.item>***.

4.4.4.4.3 Standard doctrine terminology tagset. Standard doctrine terminology tags shall be used for content information (terms) that are used and defined in a standard fashion throughout TRADOC. Examples of structure tags are ***<principles.war principle="offense" >*** ***<combat.func function="maneuver">***.

4.4.4.4.4 Meta tagset. Meta tags shall be used to identify proponent-specific FM content information. Examples of meta tags are ***<meta content1="mobile subscriber equipment" content2="ACUS" content3="node center">***

4.4.4.4.5 FM paragraph unique identification number. An unique identification number shall be assigned to each FM paragraph. This unique identification number shall be developed by using the FM number assigned by TRADOC (e.g., FM 71–100), followed by the authentication date (e.g., 20 Jul 97) of the FM, followed by a paragraph sequence number, which will begin as 000001 for the first paragraph. An FM paragraph would appear as “FM71–100.1996AUG28.000001”.

4.4.4.5 Administrative Publications. Each of the administrative publications DTDs is composed of a structure which reflects the requirements established in Army Regulation, AR 25-30, Army Publishing and Printing Program (APPP). DTDs were developed by rigidly interpreting the structure, content, and style requirements contained in AR 25-30. Methods of accessing the administrative publications DTDs are contained in Appendix D.

The SGML requirements contained in this standard are applicable to, and shall be used to develop Multi-Service Army Regulation (MAR), Army Regulation (AR), Air Force Regulation (AFR), Department of the Army (DA) Circular (CIR), DA Pamphlet (PAM), Manual for Courts Martial (MCM), Technical Manual (TM), Technical Bulletin (TB), non-TRADOC Field Manual (FM), Training Circular (TC), Automatic Data Systems Manual (ADSM), Supply Bulletin (SB), Supply Catalog (SC) and Multi-Service DA Pamphlet (MAP). Each administrative publication has one DTD to describe the top level requirements contained in AR 25-30. Each of the top level requirements comprises a DTD, which contain specialized sets of elements that are, in some cases, unique to the respective DTD while, in other cases, common to two or more DTDs.

4.4.5 Notation declarations. A notation declaration shall identify a data content notation used within the document. The notation is used in the accompanying application to identify drawings or illustrations which are non-SGML data (NDATA), such as Initial Graphics Exchange Specification (IGES), Computer Graphics Metafile (CGM), Consultative Committee for International Telegraphy and Telephony (CCITT) Group 4, and others. Unless otherwise specified, notation declarations used in DTDs and FOSIs developed to this standard shall be those contained in the appropriate content specification or standard.

4.4.6 Special features. Special features shall be defined as specified in the contract or other form of agreement. Examples of special features include requirements for start tags, processing instructions, manual or automatic numbering, in-text references to numbered items, table handling, or additional ISO 8879 features (e.g., SHORTTAG, CONCUR).

4.4.7 Conformance. When required in the contract or other form of agreement (see paragraph 6.2), each SGML/XML document instance shall be subjected to conformance inspection (parsing) in accordance with the contract or other form of agreement.

4.4.8 SGML declaration. The following SGML Declaration declares the character set, syntax, quantities, capacities, scope, and features of SGML. Unless otherwise specified, this declaration shall be used when interchanging SGML documents under this standard. The quantities and capacities have been increased from the reference quantity and capacity sets in ISO 8879 and MIL-PRF-28001 to enable Army DTDs and tagged instances to parse without errors or warnings. If the number of ID or IDREFs in an instance or a DTD becomes so large that increased quantities or capacities are required, the declaration quantities or capacities may be increased (see paragraph 6.2). The features in this declaration shall not be changed. If the declaration is modified, the modified declaration shall be included as part of the MIL-STD-1840, SGML Transfer Unit or contract designated delivery procedure.

```
<!SGML "ISO 8879:1986"
  CHARSET
     BASESET
       "ISO 646-1983//CHARSET International Reference Version (IRV)//
         ESC 2/5 4/0"
     DESCSET
          0  9 UNUSED
          9  2 9
         11  2 UNUSED
         13  1 13
         14 18 UNUSED
```

```
         32 95 32
        127  1 UNUSED
CAPACITY SGMLREF
     TOTALCAP  1000000
     ENTCAP     300000
     ELEMCAP    300000
     GRPCAP     300000
     EXGRPCAP   300000
     EXNMCAP    300000
     ATTCAP     300000
     AVGRPCAP   300000
     IDCAP      300000
     IDREFCAP   300000
     SCOPE      DOCUMENT
SYNTAX
  SHUNCHAR CONTROLS 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
                    19 20 21 22 23 24 25 26 27 28 29 30 31 127 255
    BASESET
       "ISO 646-1983//CHARSET International Reference Version (IRV)//
        ESC 2/5 4/0"
    DESCSET
         0 128 0
    FUNCTION
         RE             13
         RS             10
         SPACE          32
         TAB    SEPCHAR  9
    NAMING
         LCNMSTRT ""
         UCNMSTRT ""
         LCNMCHAR "-."
         UCNMCHAR "-."
    NAMECASE
         GENERAL YES
         ENTITY NO
    DELIM
         GENERAL  SGMLREF
         SHORTREF NONE
         NAMES    SGMLREF
    QUANTITY
         SGMLREF
         ATTCNT      400
         ATTSPLEN 960000
         ENTLVL     1600
         GRPCNT      320
         GRPGTCNT    960
         GRPLVL     1600
```

```
       LITLEN   240000
       NAMELEN      32
       TAGLEN   960000
       TAGLVL      240
FEATURES
   MINIMIZE DATATAG NO OMITTAG  YES RANK     NO  SHORTTAG NO
   LINK     SIMPLE  NO IMPLICIT NO  EXPLICIT NO
   OTHER    CONCUR  NO SUBDOC   NO  FORMAL   YES APPINFO NONE >
```

5 DETAILED REQUIREMENTS.

5.1 Technical and Equipment Publications.

5.1.1 Technical Manuals (TM). Technical manuals shall be developed using the technical content requirements contained in MIL-STD-40051 and the DTD, FOSI, and tagging requirements contained in paragraph 5.1.1.1 thorough paragraph 5.1.1.9, below.

5.1.1.1 Technical Manual Assembly Information Chapter (Manual).

5.1.1.1.1 Purpose. This section establishes the SGML requirements for the Army technical manual production and assembly information for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.1.2 Support information. The following support information is provided to assist in the production and assembly of Army TMs in SGML.

a. The Manual DTD in Appendix A has been developed in accordance with the assembly requirements in MIL-STD-40051. Each element in the Manual DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.
b. The Manual tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.
c. The Manual DTD in Appendix A contains a listing of boilerplate text entities for use in the development of maintenance manuals. The DTD allows for modification of the text associated with the boilerplate if authorized by the contracting activity.

5.1.1.2 Introductory Information and Theory of Operation Chapter (GIM).

5.1.1.2.1 Purpose. This section establishes the SGML requirements for the preparation of Introductory Information and Theory of operation for page-, frame- or data-oriented Army TMs, revisions, and changes.

5.1.1.2.2 Support information. The following support information is provided to assist in the development of Introductory Information and Theory of operation for Army TMs in SGML.

a. The GIM DTD in Appendix A has been developed in accordance with the operator instructions requirements in MIL-STD-40051. Each element definition in the GIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.
b. The GIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.
c. Functional requirements applicable to specific maintenance levels are noted throughout the text of MIL-STD-40051 in bold and in parentheses, i.e., **(depot only)**, and the SGML requirements for each of the levels are addressed in the GIM DTD resident in the ASRL. Access methods for the ASRL are in Appendix A. The labeled requirements in MIL-STD-40051 and the corresponding SGML requirements in this standard shall be applicable to all TMs containing the designated maintenance level(s).
d. To assemble Introductory Information and Theory of operation information with the other required parts of the applicable TM (i.e., maintenance, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.3 Operator's Instruction Information Chapter (OPIM).

5.1.1.3.1 Purpose. This section establishes the SGML requirements for the preparation of equipment operators instructions (other than aviation) for page-, frame- or data-oriented Army TMs, revisions, and changes.

5.1.1.3.2 Support information. The following support information is provided to assist in the development of operator instructions information for maintenance manuals in SGML.

a. The OPIM DTD in Appendix A has been developed in accordance with the operator instructions requirements in MIL-STD-40051. Each element definition in the OPIM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The OPIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble operator's instruction information with the other required parts of the applicable TM (i.e., maintenance, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.4 Troubleshooting Information Chapter (TIM).

5.1.1.4.1 Purpose. This section establishes the SGML requirements for the preparation of troubleshooting procedures for page-, frame- or data-oriented Army TMs, revisions, and changes.

5.1.1.4.2 Support information. The following support information is provided to assist in the development of troubleshooting information for maintenance manuals in SGML.

a. The TIM DTD in Appendix A has been developed in accordance with the troubleshooting instructions requirements in MIL-STD-40051. Each element definition in the TIM DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The TIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble troubleshooting instruction information with the other required parts of the applicable TM (i.e., general information, maintenance, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.5 Maintenance Instructions Chapter (MIM).

5.1.1.5.1 Purpose. This section establishes the SGML requirements for the preparation of maintenance instructions for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.5.2 Support information. The following support information is provided to assist in the development of maintenance instructions for maintenance manuals in SGML.

a. The MIM DTD in Appendix A has been developed in accordance with the maintenance instructions requirements in MIL-STD-40051. Each element in the MIM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The MIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

c. The MIM DTD in Appendix A contains a listing of boilerplate text entities for use in the development of maintenance manuals. The DTD allows for modification of the text associated with the boilerplate if authorized by the contracting activity.

d. To assemble maintenance information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.6 Repair Parts and Special Tool Lists (RPSTL) Chapter (PIM).

5.1.1.6.1 Purpose. This section establishes the SGML requirements for the preparation of RPSTL information for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.6.2 Support information. The following support information is provided to assist in the preparation of RPSTL information for Army maintenance manuals in SGML.

a. The PIM DTD in Appendix A has been developed in accordance with the RPSTL instructions requirements in MIL-STD-40051. Each element in the PIM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.
b. The PIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.
c. The PIM DTD in Appendix A contains a listing of boilerplate text entities for use in the development of maintenance manuals. The DTD allows for modification of the text associated with the boilerplate if authorized by the contracting activity.
d. To assemble RPSTL information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.7 Supporting Information Chapter (SIM).

5.1.1.7.1 Purpose. This section establishes the SGML requirements for the preparation of supporting information for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.7.2 Support information. The following information is provided to assist in the preparation of supporting information for maintenance manuals in SGML.

a. The SIM DTD in Appendix A has been developed in accordance with the supporting information instructions requirements in MIL-STD-40051. Each element in the SIM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.
b. The SIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.
c. The SIM DTD in Appendix A contains a listing of boilerplate text entities for use in the development of maintenance manuals. The DTD allows for modification of the text associated with the boilerplate if authorized by the contracting activity.
d. To assemble supporting information with the other required parts of the applicable TM (i.e., general information, troubleshooting, etc.), refer to the document assembly requirements in MIL-STD-40051, the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.8 Aircraft Operators Instruction and Checklist Information Chapter (PILOT-OPIM).

5.1.1.8.1 Purpose. This section establishes the SGML requirements for the preparation of aircraft operators instruction and checklist information for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.8.2 Support information. The following support information is provided to assist in the development of aircraft operators instruction and checklist information in SGML.

a. The PILOT-OPIM DTD in Appendix A has been developed in accordance with the aircraft operator's instructions requirements in MIL-M-63029 (AV) (the MIL-SPEC is cited for guidance). Each element in the PILOT-IM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The PILOT-OPIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble aircraft operator's TMs, refer to the document assembly requirements in MIL-M-63029 (AV), the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.1.1.9 Preparation of Aircraft for Shipment Chapter (SHIPIM).

5.1.1.9.1 Purpose. This section establishes the SGML requirements for the development of preparation of aircraft for shipment information for page-, frame- or data-oriented Army TMs, revisions, and changes in SGML.

5.1.1.9.2 Support information. The following support information is provided to assist in the development of preparation of aircraft for shipment information in SGML.

a. The SHIPIM DTD in Appendix A has been developed in accordance with the preparation of aircraft for shipment instructions requirements in MIL-M-63005 (AV) (the MIL-SPEC is cited for guidance). Each element in the SHIPIM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The SHIPIM tag description list provided from the ASRL (see Appendix A to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

c. To assemble preparation of aircraft for shipment TMs, refer to the document assembly requirements in MIL-M-63005 (AV), the Manual DTD requirements in paragraph 5.1.1.1, and the Manual DTD in Appendix A.

5.2 Training Publications. Training publications shall be developed using the technical content requirements contained in the respective functional requirements documents, and the DTD, FOSI, and tagging requirements, contained in paragraph 5.2.1 thru paragraph 5.2.3, below.

5.2.1 Army Training and Evaluation Plan (ARTEP).

5.2.1.1 Mission Training Plan (MTP).

5.2.1.1.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented Army MTPs, revisions, and changes in SGML.

5.2.1.1.2 Support information. The following support information is provided to assist in the development and production of Army MTPs in SGML.

a. The MTP DTD in Appendix B has been developed in accordance with the functional requirements contained in TR 350-70. Each element in the MTP DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The MTP tag description list provided from the ASRL (see Appendix B to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.2.1.2 Drill Book.

5.2.1.2.1 Purpose. This section establishes the SGML requirements for the preparation of page-, frame- or data-oriented Army Drill Books, revisions, and changes.

5.2.1.2.2 Support information. The following support information is provided to assist in the development and production of Army Drill Books in SGML.

a. The Drill DTD in Appendix B has been developed in accordance with the functional requirements contained in TR 350-70. Each element in the Drill DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The Drill Book tag description list provided from the ASRL (see Appendix B to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.2.2 Soldiers Training Publication (STP).

5.2.2.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented Army STPs, revisions, and changes in SGML.

5.2.2.2 Support information. The following support information is provided to assist in the development and production of Army STPs in SGML.

a. The STP DTD in Appendix B has been developed in accordance with the functional requirements contained in TR 350-70. Each element in the STP DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The STP tag description list provided from the ASRL (see Appendix B to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.2.3 System Training Plan (STRAP).

5.2.3.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented Army STRAPs, revisions, and changes in SGML.

5.2.3.2 Support information. The following support information is provided to assist in the development and production of Army STRAPs in SGML.

a. The STRAP DTD in Appendix B has been developed in accordance with the functional requirements contained in TR 350-70. Each element in the STRAP DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The STRAP tag description list provided from the ASRL (see Appendix B to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.3 Doctrine Publications. Doctrine publications shall be developed using the technical content requirements contained in TR 350-70, and the DTD, FOSI, and tagging requirements, contained in this section.

5.3.1 Field Manuals (FM).

5.3.1.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented Army FMs, revisions, and changes in SGML.

5.3.1.2 Support information. The following support information is provided to assist in the development and production of Army FMs in SGML.

a. The FM DTD, in Appendix C, has been developed in accordance with the functional requirements contained in TR 350-70. Each element in the FM DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The FM tag description list provided from the ASRL (see Appendix C to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.4 Administrative Publications. Administrative publications shall be developed using the structure and format requirements contained in AR 25-30, and the DTD, FOSI, and tagging requirements, contained in paragraph 5.4.1 thorough paragraph 5.4.5, below.

5.4.1 Multi-Service Army Regulation (MAR).

5.4.1.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented MARs, revisions, and changes in SGML.

5.4.1.2 Support information. The following support information is provided to assist in the development and production of MARs in SGML.

a. The MAR DTD, in Appendix D, has been developed in accordance with the structure and format requirements contained in AR 25-30. Each element in the MAR DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The MAR tag description list provided from the ASRL (see Appendix D to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.4.2 Army Regulation (AR).

5.4.2.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented ARs and Air Force Regulation (AFR), revisions, and changes in SGML.

5.4.2.2 Support information. The following support information is provided to assist in the development and production of ARs and AFRs in SGML.

a. The AR DTD, in Appendix D, has been developed in accordance with the structure and format requirements contained in AR 25-30. Each element in the AR DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The AR tag description list provided from the ASRL (see Appendix D to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.4.3 Department of the Army (DA) Circular (CIR).

5.4.3.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented DA CIRs, revisions, and changes in SGML.

5.4.3.2 Support information. The following support information is provided to assist in the development and production of DA CIRs in SGML.

a. The DA CIR DTD, in Appendix D, has been developed in accordance with the structure and format requirements contained in AR 25-30. Each element in the DA CIR DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The DA CIR tag description list provided from the ASRL (see Appendix D to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.4.4 Department of the Army (DA) Pamphlet (PAM) .

5.4.4.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented DA PAMs, Manual for Courts Martial (MCM), Technical Manual (TM), Technical Bulletin (TB), non-TRADOC Field Manual (FM), Training Circular (TC), Automatic Data Systems Manual (ADSM), Supply Bulletin (SB) and Supply Catalog (SC), revisions, and changes in SGML.

5.4.4.2 Support information. The following support information is provided to assist in the development and production of DA PAMs, MCM, TM, TB, FM, TC, ADSM, SB and SC in SGML.

a. The DA PAM DTD, in Appendix D, has been developed in accordance with the structure and format requirements contained in AR 25-30. Each element in the DA PAM DTD is accompanied by it's associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The DA PAM tag description list provided from the ASRL (see Appendix D to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

5.4.5 Multi-Service Department of the Army (DA) Pamphlet (MAP).

5.4.5.1 Purpose. This section establishes the requirements for the development and production of page-, frame- or data-oriented MAPs, revisions, and changes in SGML.

5.4.5.2 Support information. The following support information is provided to assist in the development and production of MAPs in SGML.

a. The MAP DTD, in Appendix D, has been developed in accordance with the structure and format requirements contained in AR 25-30. Each element in the MAP DTD is accompanied by its associated attributes. Where possible, the content models for the elements conform to MIL-PRF-28001 elements.

b. The MAP tag description list provided from the ASRL (see Appendix D to obtain the list) shall be used to identify the definition and description of each SGML element and it's associated attributes.

6 NOTES.

6.1 Intended use. The use of DTDs and FOSIs or style sheets will allow for preparation of documents in an automated support environment using any or all of the following processes:

a. Creation of a document type declaration or DTD for publication control, if one does not already exist.

b. Creation of a FOSI or style sheet, if one does not already exist, to specify the formatting to be applied to documents conforming with the document type declaration.

c. Authoring a publication and inserting SGML markup tags.

d. Verification of correct syntax according to SGML rules.

e. Use of a FOSI or style sheet and a document type declaration to direct the composition of the document so that the produced (printed or displayed) copy corresponds to the proper format and style.

f. Electronic review of a document, using SGML or an SGML–derived presentation format for comments.

g. Generation of a text presentation metafile in a page description language (PDL) to drive the display device, such as a printer or typesetter.

6.2 Acquisition requirements. Acquisition documents should specify the following:

a. Title, number, and date of the document.

b. Issue of the DODISS to be cited in the solicitation, and, if required, the specific issue of individual documents referenced (see paragraph 2.2.1 and paragraph 2.3).

c. Statement regarding mandatory use of standard SGML objects and constructs from the ASRL pursuant to paragraph paragraph 4.4.3.1.

d. Statement regarding submission of new SGML objects and constructs to the ASRL as candidates for registration and inclusion in the ASRL (see paragraph 4.4.3.2).

e. Values of presentation characteristics (see paragraph 4.3).

f. Use of notation declarations not in a detail specification (see paragraph 4.4.5).

g. Special features (see paragraph 4.4.6).

h. Guidance regarding conformance inspections, parsing, or other qualification requirements (see paragraph 4.4.7).

MIL-STD-40051, MIL-M-63005 (AV), MIL-M-63029 (AV), TR 350-70 and AR 25-30 provide additional information to assist acquisition personnel in determining the options that may need to be placed in the contract or other form of agreement.

6.2.1 Source file delivery. The DTDs in Appendix A, Appendix B, Appendix C and Appendix D provide the tools to accomplish paragraph 6.1.a., paragraph 6.1.b., and paragraph 6.1.c. above, the result of which is a compete publication source file, or input file, together with a document type declaration support file. Delivery requirements for source files are in paragraph 4.1.1. It is the source file to which all subsequent changes and updates must be made to maintain the publication throughout its operational life. Therefore, the source file is a mandatory final deliverable when this standard is cited in the contract. Source files containing either the complete text of the publication, or portions of the text, may be delivered as interim products. Through the use of the SGML declaration, the document type declaration, the tag descriptions, the output specification, and a FOSI, the delivered source file will contain the complete intelligence required for subsequent processing.

6.2.2 Support file delivery. An SGML document type declaration is used in paragraph 6.1.a., paragraph 6.1.b., and paragraph 6.1.c. above. Formatting Output Specification Instances (FOSI) provide output styles

and formatting specifications used to accomplish paragraph 6.1.e. in the document preparation process. The document type definition and the FOSI are support file delivery requirements which are in paragraph 4.1.2. If a public document type definition set is used as publicly defined, has been approved as an Army standard, and is resident in the ASRL, it need only be cited with the delivery. However, the text of the document type definition set support file will be delivered with the source file when the publication does not conform to the requirements of public document type definition sets identified in Appendix A, Appendix B, Appendix C and Appendix D, and be accompanied by a request for SGML Object and Construct registration approval to the ASRL. A complete FOSI will be delivered with every source file until publicly identified FOSIs are available.

6.2.3 Output file delivery. Paragraph 6.1.g. in the document preparation process requires use of a page description language (PDL) to produce an output file, sometimes called a text presentation metafile, to drive an output device such as a printer. Delivery requirements for output files are in paragraph 4.1.3.

6.2.4 Illustration files. This standard provides the tags by which raster or vector illustration files can be referenced in the source file, and incorporated in the final composed technical publication document. Preparation requirements for publication illustration files are addressed in MIL-PRF-28000, MIL-PRF-28002, and MIL-PRF-28003. Delivery requirements for publication illustration files are also in MIL-STD-1840.

6.2.5 Tables. Tables are typically included as SGML-tagged text in the source file. The definition of the table may be explicitly included in the document instance or may be included through the use of an entity reference to an external or internal table definition. If an external entity is used, it may be one that is publicly identified in Appendix A, Appendix B, Appendix C and Appendix D, or one that is created for use with a particular document instance known as a SYSTEM external entity. A publicly identified entity need not be submitted with a MIL-STD-1840-compliant deliverable, although it must be cited in the document type definition submitted with the document instance. A SYSTEM external entity declaration will be submitted with the MIL-STD-1840-compliant deliverable. When using a document type definition from Appendix A, Appendix B, Appendix C and Appendix D, tables can also be delivered as illustration files (using the graphic element type) where preparation requirements make this alternative more cost effective, or where preparation requirements exceed the capability of the markup tags in Appendix A, Appendix B, Appendix C and Appendix D. Delivery of tables as separate illustration files seriously limits their utility for additional processing, and is discouraged.

6.2.6 Hardcopy and softcopy application. The delivery options in this standard (see paragraph 6.2.2, paragraph 6.2.3, paragraph 6.2.4, and paragraph 6.2.5) should be applied based on an analysis of how the information is to be used. For example, an output (PDL) file can be used for both electronic publishing of hardcopy and electronic softcopy display, but it cannot support interactive retrieval as can an SGML-tagged text source file.

6.3 Application of non-Government standards. Current national and international non-Government standards do not adequately address all seven steps of the publication preparation process (see paragraph 6.1). ISO 8879 addresses paragraph 6.1.a. and paragraph 6.1.c. ISO 10180 supports paragraph 6.1.g. ISO 10179 addresses paragraph 6.1.b. and paragraph 6.1.e. ISO 10179 covers the Document Style Semantics and Specification Language (DSSSL) and is being transitioned as an output specification. In the interim, MIL-STD-2361A FOSIs, available in the ASRL, will be used to satisfy the requirements of paragraph 6.1.b. and paragraph 6.1.e. of the publication preparation process listed in paragraph 6.1.

6.4 Publication management and processing considerations.

6.4.1 Army publication management considerations. This standard provides the Government and contractor publications manager with tools to be used in determining if a given document is in or out of conformance with this standard, the governing functional requirements (MIL-STD-40051, etc.), or contracting activity direction.

6.4.1.1 Use of document type definitions. The appropriate MIL-STD-2361ASGML DTD provides a basis for electronically preparing a given publication, and then determining whether the document conforms to the logical constructs within the DTD (i.e., parsing). A syntactic analysis is made by parsing the document. Parsing will verify whether or not the string of tokens conforms to the grammar.

6.4.2 Processing system considerations. The processing system is a tool of the author and the publication manager. The processing system should ensure the authority of the manager to:

a. Determine whether document corrections are warranted.

b. Set an orderly plan and schedule for such correction.

c. Override the author's interpretation of contract requirements for content, style, and format.

6.4.2.1 Source file configuration control. Ideally, the processing system should have the capability to utilize the SGML-tagged source file (plus illustration files) as input to the subsequent composition and output processes. However, this is not a requirement, and intermediate files may be used. Configuration control of changes to either intermediate or output files is necessary, since the final deliverable product is the SGML-tagged source file. All system processing should be governed by the following rule: When corrections are made to a working, intermediate, or output file, corrections must be incorporated in the source file which is the primary final deliverable product under the contract.

6.4.2.2 Spell checking and hyphenation. Requirements for spell checking and hyphenation may be specified in the contract. Since processing systems may differ in the way they treat these subjects, users should not expect consistent treatment across system boundaries unless specific requirements are established in advance.

6.4.2.3 Processing instructions. Processing instructions are a tool provided by SGML to handle unique or unusual conditions. Their use is discouraged, but not disallowed, because it is recognized that in some situations processing instructions are a necessary part of document processing. They are usually system-unique and are ignored by an SGML parser, precluding all control except cursory syntax checks unless additional processing system software is used. Their use or exclusion should be controlled by contract restrictions.

6.5 Subject term (key word) listing. The following subject terms (key words) are applicable:

Administrative publication
Army SGML Registry and Library (ASRL)
Assembly
Collective task
Doctrine
Document Type Definition (DTD)
Extensible Markup Language (XML)
Formatting Output Specification Instance (FOSI)
General information
Individual task
Information chapter
Information module
Maintenance
Manual
Operator
Output Specification (OS)
Publishing, Electronic
SGML objects and constructs
Standard Generalized Markup Language (SGML)
Supporting information
Tagging, Generic
Theory of operation
Troubleshooting
Work package

6.6 Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

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Technical Manual (TM) SGML

A.1 Scope. This appendix contains abstracts for the conforming MIL-STD-2361ATechnical Manual (TM) Document Type Definitions (DTD) and Formal Public Identifiers (FPI) for their sub-elements. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. The MIL-STD-2361ADTDs shall be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. U.S. Mail: Requested files will be mailed on 3.5” DOS formatted diskettes or on 1/4” UNIX tar formatted tape. Requests may be submitted as follows:

(1) Written request:

Director, USAPA
ATTN: JDHQSV-PAP-E
2461 Eisenhower Avenue
Alexandria, VA 22331

(2) Telephone request:

Commercial: (703) 428–0508 or 0504
DSN: 328–0508 or 0504

A.1.1 Application. The DTDs, tag descriptions and SGML text entities contained in this appendix, with the exception of Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD, apply to the technical manuals prepared in accordance with this standard and MIL-STD-40051. Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD may be applied to pilots instructions and checklist manuals and aircraft shipping manuals. Data prepared in conformance with these requirements will facilitate the automated storage, retrieval, interchange, and processing of TMs from multiple and different sources, and allow the reuse of common data among multiple products and on different media.

A.1.2 Conformance. The conforming DTDs contained in this standard, with the exception of Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD, were developed by rigidly interpreting the structure, content, and style requirements of MIL-STD-40051, and are a logical extension of the requirements contained in MIL-PRF-28001. TM preparers, and any other users of these DTDs, shall not deviate from the structure, content, or style requirements of these standards. The DTDs for Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) and Preparation of Aircraft for Shipment Information Chapter (SHIPIM) reflect the requirements contained in MIL-M-63005 (AV), and MIL-M-63029 (AV). These DTDs are available for use by TM developers but are mandatory with the use of MIL-STD-40051. When TM preparers, and any other users of MIL-STD-2361A DTDs, shall not deviate from the SGML tags, tag descriptions and SGML text entities, or their intended usage. The DTDs, tag descriptions and SGML text entities may be obtained through the ASRL as described in paragraph A.1, above.

A.2 Applicable Documents. Refer to Section 2.

A.3 TM Document Type Definitions (DTD).

A.3.1 General Preparation and Assembly Information Chapter (Production) DTD.

A.3.1.1 Abstract. “This abstract is for: DTD %production; "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for General Preparation and Assembly Information chapter found in MIL-STD-2361Aand MIL-STD-40051. The following paragraph(s) describe the requirements for the assembly of a complete manual.

This specification includes instructions for the development of front and rear matter and TM assembly information for each level of maintenance and combinations thereof. For example, TM assembly instructions

are given for an operator's manual (-10), a combined operator's/unit maintenance manual (-12), a unit maintenance manual (-20), a combined unit/direct support maintenance manual (-23), etc.

To assemble a complete manual with all of its required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-2361A and TM Requirements Matrix in MIL-STD-40051 for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited. "

A.3.1.2 Document Type Definition (DTD). The formal public identifier for the DTD is "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN". See paragraph A.1 for information regarding how to obtain the DTD.

A.3.1.3 Elements. The formal public identifier for the product.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN".

A.3.2 Introductory Information with Theory of Operation Information Chapter (GIM) DTD.

A.3.2.1 Abstract. "This abstract is for: DTD %gim; "-//USA-DOD//DTD MIL-STD-2361 TM Theory Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Introductory Information with Theory of Operation Information chapter found in MIL-STD-2361A and MIL-STD-40051A. The following paragraph(s) describe the requirements for the general information portion of a manual.

This specification establishes the technical content requirements for the preparation of introductory information with theory of operation for Technical Manuals (TM), revisions, supplements, and changes. Requirements for functional and physical descriptions of the major equipment, components, and applicable interface equipment are provided. Manuals covered by this specification include maintenance manuals (all levels), Preventive Maintenance Services (PMS), and Phased Maintenance Inspection (PMI), and Maintenance Test Flights (MTF).

To assemble introductory information with theory of operation with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-2361A, public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited. "

A.3.2.2 Elements. The formal public identifier for the gim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Theory Chapter REV 1.1 20000515//EN"

A.3.3 Operators Instruction Information Chapter (OPIM) DTD.

A.3.3.1 Abstract. "This abstract is for: DTD %opim; "-//USA-DOD//DTD MIL-STD-2361 TM Theory Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Operators Instruction Information chapter found in MIL-STD-2361A and MIL-STD-40051A. The following paragraph(s) describe the requirements for the operator instructions portion of a manual.

This specification establishes the technical content requirements for the preparation of operator instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements describe the safe and efficient operation of the weapon system/equipment authorized for the operator/crew. Manuals covered by this specification include maintenance manuals (all levels) and Maintenance Test Flights (MTF).

This specification does not cover requirements for the operation of aircraft. To assemble operator instructions with other required parts of the applicable TM (i.e., introductory information, troubleshooting, etc.) refer to MIL-STD-2361A, public entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited."

A.3.3.2 Elements. The formal public identifier for the opim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Operator Chapter REV 1.1 20000515//EN"

A.3.4 Troubleshooting Procedures Information Chapter (TIM) DTD.

A.3.4.1 Abstract. “This abstract is for: DTD %tim; "-//USA-DOD//DTD MIL-STD-2361 TM Troubleshooting Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Troubleshooting Procedures Information chapter found in MIL-STD-2361Aand MIL-STD-40051A. The following paragraph(s) describe the requirements for the troubleshooting portion of a manual.

This specification establishes the technical content requirements for the preparation of troubleshooting procedures Technical Manuals (TMs), revisions, supplements, and changes. Requirements for preparing all information needed by user personnel for performing all required troubleshooting through all applicable levels of maintenance are covered. Troubleshooting procedures that require a minimum of time are prepared for equipment, systems, and weapon systems prescribed by the Logistics Support Analysis (LSA)/Maintenance Allocation Chart (MAC). Troubleshooting procedures contain information to help the operator/technician recognize, find the cause, and correct the trouble in the equipment and auxiliary equipment.

To assemble troubleshooting procedures with other required parts of the applicable TM (i.e., introductory information, maintenance, etc.) refer to MIL-STD-2361A, public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.”

A.3.4.2 Elements. The formal public identifier for the tim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Troubleshooting Chapter REV 1.1 20000515//EN".

A.3.5 Maintenance Instructions Information Chapter (MIM) DTD.

A.3.5.1 Abstract. “This abstract is for: DTD %mim; "-//USA-DOD//DTD MIL-STD-2361 TM Maintenance Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Maintenance Instructions Information chapter found in MIL-STD-2361Aand MIL-STD-40051A. The following paragraph(s) describe the requirements for the maintenance instructions portion of a manual.

This specification establishes the technical content requirements for the preparation of maintenance instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements are provided for all information needed by user personnel for performing all required operator (-10), unit (-20), Aviation Unit Maintenance (AVUM), Direct Support (DS) (-30), Aviation Intermediate Maintenance (AVIM), General Support (GS) (40), and/or depot level (overhaul) maintenance on equipment, systems, and weapon systems (including ammunition and auxiliary equipment) prescribed by the Logistics Support Analysis (LSA)/Maintenance Allocation Chart (MAC) and the Source, Maintenance, and Recoverability (SMR) codes. Maintenance instructions that enable the user of this portion of the manual to receive, process, clean, service, operate, test, repair, inspect, and return to an acceptable performance standard all components of the equipment in a minimum of time with the skills, tools, test equipment, and spare parts authorized by the LSA/MAC are covered. Manuals covered by this specification include maintenance manuals (all levels), Maintenance Test Flight (MTF), Preventive Maintenance Services (PMS), and Phased Maintenance Inspection (PMI).

To assemble maintenance instructions with the other required parts of the applicable TM (i.e., operator instructions, troubleshooting, etc.), refer to MIL-STD-2361A, public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited.”

A.3.5.2 Elements. The formal public identifier for the mim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Maintenance Chapter REV 1.1 20000515//EN"

A.3.6 Repair Parts and Special Tool Lists (RPSTL) Information Chapter (PIM) DTD.

A.3.6.1 Abstract. “This abstract is for: DTD %pim; "-//USA-DOD//DTD MIL-STD-2361 TM Parts Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Repair

Parts and Special Tool Lists (RPSTL) Information chapter found in MIL-STD-2361A and MIL-STD-40051A. The following paragraph(s) describe the requirements for the repair parts and special tools manual.

This specification establishes the technical content requirements for the preparation of Repair Parts and Special Tools Lists (RPSTLs) Technical Manuals (TMs), revisions, supplements, and changes. Requirements cover the repair parts list, special tools list, part number index, and reference designator index.

To assemble repair parts and special tools information with the other required parts of the applicable TM (i.e., introductory information, etc.), refer to MIL-STD-2361A, public identifier entity "-//USA-DOD/ /DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited."

A.3.6.2 Elements. The formal public identifier for the pim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Parts Chapter REV 1.1 20000515//EN"

A.3.7 Supporting Information Chapter (SIM) DTD.

A.3.7.1 Abstract. "This abstract is for: DTD %sim; "-//USA-DOD//DTD MIL-STD-2361 TM Support Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Supporting Information chapter found in MIL-STD-2361A and MIL-STD-40051A. The following paragraph(s) describe the requirements for the supporting information (appendix) portion of a manual.

This specification establishes the technical content requirements for the preparation of supporting information (appendixes) for Technical Manuals (TMs), revisions, supplements, and changes. Requirements cover references, Maintenance Allocation Chart (MAC), Repair Parts and Special Tools List (RPSTL), Components of End Item (COEI) and Basic Issue Items (BII), Additional Authorization List (AAL), expendable and durable items, tool identification list, mandatory replacement parts, heat shrink film protective covering, quarantine inspection/ customs clearance, abbreviation lists, and any other supporting information required for the system/equipment.

To assemble supporting (appendix) information with the other required parts of the applicable TM (i.e., introductory information, maintenance, troubleshooting, etc.), refer to MIL-STD-2361A, public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN", and TM Requirements Matrix in MIL-STD-40051A for appropriate volume configurations.

Distribution Statement A: Approved for public release, distribution is unlimited."

A.3.7.2 Elements. The formal public identifier for the sim.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Support Chapter REV 1.1 20000515//EN"

A.3.8 Aircraft Operators Instructions and Checklists Information Chapter (PILOT-OPIM) DTD.

A.3.8.1 Abstract. "This abstract is for: DTD %pop; "-//USA-DOD//DTD MIL-STD-2361 TM Pilot Operator Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Supporting Information chapter found in this standard and MIL-M-63029C (AV) (the MIL-SPEC is cited for guidance). The following paragraph(s) describe the requirements for the aircraft operator instructions manual.

This specification establishes the technical content requirements for the preparation of aircraft operator instructions and checklists for Technical Manuals (TMs), revisions, supplements, and changes. Requirements describe the safe and efficient operation of the aircraft by authorized personnel. Instructions and checklists include identification of specific crew members and their assigned tasks. This specification only covers the requirements for the operation of aircraft.

To assemble aircraft operator instructions with other required parts of the applicable TM (i.e., supporting information, etc.) refer to MIL-STD-2361Afor public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN".

Distribution Statement A: Approved for public release, distribution is unlimited."

A.3.8.2 Elements. The formal public identifier for the pop.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Pilot Operator Chapter REV 1.1 20000515//EN"

A.3.9 Preparation of Aircraft for Shipment Information Chapter (SHIPIM) DTD.

A.3.9.1 Abstract. “This abstract is for: DTD %shipim; "-//USA-DOD//DTD MIL-STD-2361 TM Shipping Chapter REV 1.1 20000515//EN". The DTD describes the SGML structure and content tagging conventions for Shipment of Aircraft Information chapter found in this standard and MIL-M-63005B (AV) (the MIL-SPEC is cited for guidance). The following paragraph(s) describe the requirements for a shipment of aircraft manual.

This specification establishes the technical content requirements for the preparation of Army aircraft shipping instructions for Technical Manuals (TMs), revisions, supplements, and changes. Requirements for preparing all information needed by user personnel for performing all required tasks involved in preparation of shipment of a single aircraft series are provided. Specific requirements and procedures relating to shipment by cargo aircraft, vessel, truck, crated shipment, containerized shipment, and external transport by helicopter are detailed. The specification also covers cleaning, disassembly, preservation, marking, preparation of shipper-prepared documents, loading, tiedown, unloading, depreservation, and reassembly procedures necessary for tactical, minimum disassembly logistical, and maximum density logistical movements.

To assemble a complete shipment of aircraft manual with its other required parts (i.e., introductory information, etc.), refer to MIL-STD-2361A for public identifier entity "-//USA-DOD//DTD MIL-STD-2361 TM Assembly Chapter REV 1.1 20000515//EN".

Distribution Statement A: Approved for public release, distribution is unlimited.”

A.3.9.2 Elements. The formal public identifier for the ship.sub elements is "-//USA-DOD//DTD MIL-STD-2361 TM Shipping Chapter REV 1.1 20000515//EN".

A.3.10 Preparation of MIL-STD-2361A Common Elements. The following paragraphs list the FPIs for the common subset SGML elements used in one or more MIL-STD-2361A DTDs.

A.3.10.1 Subset element AMMOWP.361. The formal public identifier for the ammowp.361 is "-//DOD-USA/ /ELEMENTS MIL-STD-2361 Ammunition WP REV 1.1 20000515//EN".

A.3.10.2 Subset element ASSEM.361. The formal public identifier for the assem.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Assembly and Prep. REV 1.1 20000515//EN".

A.3.10.3 Subset element ATTRIB.361. The formal public identifier for the attrib.361 is "-//DOD-USA//EN-TITIES MIL-STD-2361 Common Attr. REV 1.1 20000515//EN".

A.3.10.4 Subset element CONTENT.361. The formal public identifier for the content.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Common Content REV 1.1 20000515//EN".

A.3.10.5 Subset element CTRLIND.361. The formal public identifier for the ctrlind.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Control/Indicator REV 1.1 20000515//EN".

A.3.10.6 Subset element DESC.361. The formal public identifier for the desc.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Description REV 1.1 20000515//EN".

A.3.10.7 Subset element DEPRES.361. The formal public identifier for the depres.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Depreservation REV 1.1 20000515//EN".

A.3.10.8 Subset element DESTRUCT.361. The formal public identifier for the destruct.361 is "-//DOD-USA/ /ELEMENTS MIL-STD-2361 Destruction Mat. REV 1.1 20000515//EN".

A.3.10.9 Subset element EIR.361. The formal public identifier for the eir.361 is "-//DOD-USA//ELEMENTS MIL-STD-2361 Equipment Improvement Recommendation REV 1.1 20000515//EN".

A.3.10.10 Subset element FUNCTION.361. The formal public identifier for the function.361 is "-//DOD-USA/ /ELEMENTS MIL-STD-2361 Function REV 1.1 20000515//EN".

A.3.10.11 Subset element GRNDTSK.361. The formal public identifier for the grndtsk.361 is "-//DOD-USA/ /ELEMENTS MIL-STD-2361 Ground Handling Tasks REV 1.1 20000515//EN".

A.3.10.12 Subset element HOOKUP.361. The formal public identifier for the hookup.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Hookup Task REV 1.1 20000515//EN".

A.3.10.13 Subset element INTRO.361. The formal public identifier for the intro.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Introduction REV 1.1 20000515//EN".

A.3.10.14 Subset element ISOCHARS.361. The formal public identifier for the isochars.361 is "-//DOD-USA/ /ENTITIES MIL-STD-2361 ISO Char. Set REV 1.1 20000515//EN".

A.3.10.15 Subset element MRPL.361. The formal public identifier for the mrpl.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 MRPL REV 1.1 20000515//EN" .

A.3.10.16 Subset element PERSERV.361. The formal public identifier for the perserv.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Preservation Task REV 1.1 20000515//EN".

A.3.10.17 Subset element PILOT.361. The formal public identifier for the pilot.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Pilot Task REV 1.1 20000515//EN".

A.3.10.18 Subset element RPSTL.361. The formal public identifier for the rpstl.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Parts WP REV 1.1 20000515//EN".

A.3.10.19 Subset element SAFETY.361. The formal public identifier for the safety.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Safety and Security REV 1.1 20000515//EN".

A.3.10.20 Subset element SCOPE.361. The formal public identifier for the scope.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Scope and Purpose REV 1.1 20000515//EN".

A.3.10.21 Subset element STRUCT.361. The formal public identifier for the struct.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 TM Structural REV 1.1 20000515//EN".

A.3.10.22 Subset element THRY.361. The formal public identifier for the thry.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Theory of Operation REV 1.1 20000515//EN".

A.3.10.23 Subset element TIEDOWN.361. The formal public identifier for the tiedown.361 is "-//DOD-USA/ /ELEMENTS MIL-STD-2361 Tiedown Task REV 1.1 20000515//EN".

A.3.10.24 Subset element WP-SETUP.361. The formal public identifier for the wp-setup.361 is "-//DOD-USA//ELEMENTS MIL-STD-2361 WP Setup REV 1.1 20000515//EN".

A.3.10.25 Subset element WTBAL.361. The formal public identifier for the wtbal.361 is "-//DOD-USA// ELEMENTS MIL-STD-2361 Weight/Balance WP REV 1.1 20000515//EN".

A.4 Tag Description List for TM DTDs, Entities and Technical Manual (TM) Common Tags. The SGML tag description requirements for MIL-STD-2361ATechnical Manual (TM) Document Type Definitions (DTD), entities and TM common tags may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph A.1.

A.5 SGML Text Entities. The SGML text entities referenced in this appendix shall be used to prepare technical manuals in accordance with this standard and MIL-STD-40051. The text entities to be used for development of TMs in compliance with this standard and MIL-STD-40051Amay be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph A.1.

Training Publications SGML

B.1 Scope. This appendix contains abstracts for the conforming MIL-STD-2361A Training publications Document Type Definitions (DTD) and Formal Public Identifiers (FPI) for their sub-elements. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. The MIL-STD-2361A DTDs shall be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. U.S. Mail: Requested files will be mailed on 3.5" DOS formatted diskettes or on 1/4" UNIX tar formatted tape. Requests may be submitted as follows:

(1) Written request:

Director, USAPA
ATTN: JDHQSV-PAP-E
2461 Eisenhower Avenue
Alexandria, VA 22331

(2) Telephone request:

Commercial: (703) 428–0508 or 0504
DSN: 328–0508 or 0504

B.1.1 Application. Data prepared in conformance with the requirements set forth in this standard will facilitate the automated storage, retrieval, interchange, and processing of training publications from multiple and different sources, and allow the reuse of common data among multiple products and on different media. The DTDs contained in this appendix shall be prepared in accordance with this standard and TR 350-70.

B.1.2 Conformance. The conforming DTDs contained in this standard were developed by rigidly interpreting the structure, content, and style requirements of the functional requirements documents listed above, and are a logical extension of the requirements contained in MIL-PRF-28001. Training publications preparers, and any other users of these DTDs, SGML tags, tag descriptions and SGML text entities, shall not deviate from the structure, content, or style requirements of these standards. The training publication DTDs, SGML tags, tag descriptions and SGML text entities, may be obtained through the ASRL as described in paragraph B.1, above.

B.2 Applicable Documents. Refer to Section 2.

B.3 Training Publications Document Type Definitions (DTD).

B.3.1 Army Training and Evaluation Program (ARTEP) .

B.3.1.1 Mission Training Plan (MTP).

B.3.1.1.1 Abstract. "This DTD is used for the fielding of Army Training and Evaluation Program (ARTEP) product Mission Training Plan (MTP). The MTP is a training document which provides units a clear description of "what and how" to train critical collective tasks, designed to identify and elaborate on critical wartime missions in terms of comprehensive detailed Training and Evaluation Outlines (T&EO), and is part of the Riemer Digital Library (RDL).

This standard includes instructions for the development of front, body, and rear matter information for MTPs. The DTD also allows development and output of selected parts of a MTP.

Distribution Statement A: Approved for public release, distribution is unlimited. "

B.3.1.1.2 Document Type Definition (DTD). The formal public identifier for the MTP DTD is "-//DOD-USA/ /DTD MTP REV 4.0 20000515//EN". See paragraph B.1 for information regarding how to obtain the MTP DTD.

B.3.1.1.3 Elements. The formal public identifiers for the MTP are the following DTD subsets.

B.3.1.1.3.1 ARTEP Common Elements. The formal public identifier for the ARTEP Subset artep_common.ent elements is "-//DOD-USA//ELEMENTS ARTEP REV 4.0 20000515//EN”.

B.3.1.1.3.2 MTP Introductory Information. The formal public identifier for the MTP Introductory Information mtp_intro.ent elements is "-//DOD-USA//ELEMENTS MTP Introduction REV 4.0 20000515//EN”.

B.3.1.1.3.3 MTP Training Exercises. The formal public identifier for the MTP Training Exercises mtp_exercise.ent elements is "-//DOD-USA//ELEMENTS MTP Training Exercise REV 4.0 20000515//EN”.

B.3.1.1.3.4 MTP Collective Tasks. The formal public identifier for the MTP Collective Tasks mtp_task.ent elements is "-//DOD-USA//ELEMENTS MTP Collective REV 4.0 20000515//EN”.

B.3.1.1.3.5 MTP Supporting Information. The formal public identifier for the MTP Supporting Information mtp_support.ent elements is "-//DOD-USA//ELEMENTS MTP Support Information REV 4.0 20000515//EN”.

B.3.1.1.3.6 Drill Book Task Elements. The formal public identifier for the Drill Book Subset drill_task.ent elements is "-//DOD-USA//ELEMENTS Drill REV 4.0 20000515//EN”.

B.3.1.2 Drill Book.

B.3.1.2.1 Abstract. “This DTD is used for the fielding of Army Training and Evaluation Program (ARTEP) product Drill Book. The Drill Book is a collective action executed by a platoon or smaller unit that is a trained response to a given stimulus. A drill is executed with minimal leader orders and without the application of a deliberate decision-making process.

This standard includes instructions for the development of front, body, and rear matter information for Drill Books. The DTD also allows development and output of selected parts of a Drill Book.

Distribution Statement A: Approved for public release, distribution is unlimited. ”

B.3.1.2.2 Document Type Definition (DTD). The formal public identifier for the Drill Book DTD is "-// DOD-USA//DTD Drill Book REV 4.0 20000515//EN”. See paragraph B.1 for information regarding how to obtain the Drill Book DTD.

B.3.1.2.3 Elements. The formal public identifiers for the Drill Book are the following DTD subsets.

B.3.1.2.3.1 ARTEP Common Elements. The formal public identifier for the ARTEP Subset artep_common.ent elements is "-//DOD-USA//ELEMENTS ARTEP REV 4.0 20000515//EN”.

B.3.1.2.3.2 Drill Book Task Elements. The formal public identifier for the Drill Book Subset drill_task.ent elements is "-//DOD-USA//ELEMENTS Drill REV 4.0 20000515//EN”.

B.3.1.2.3.3 Drill Book Introductory Information. The formal public identifier for the Drill Book Introductory Information drill_intro.ent elements is "-//DOD-USA//ELEMENTS Drill Introduction REV 4.0 20000515REV 4.0 20000515//EN”.

B.3.1.2.3.4 Drill Book Supporting Information. The formal public identifier for the Drill Book Supporting Information drill_support.ent elements is "-//DOD-USA//ELEMENTS Drill Support Information REV 4.0 20000515//EN”.

B.3.2 Soldier Training Publications (STP) DTD. This standard includes instructions for the development of front, body, and rear matter information for STPs. The DTD also allows development and output of selected parts of a STP.

B.3.2.1 Abstract. “This DTD provides the trainers and soldiers the task summaries for all critical tasks in a specific Military Occupational Speciality (MOS) and Skill Level (SL). It identifies the references which contain the detailed task procedural (“how to”) information necessary to perform and/or train the task.

This standard includes instructions for the development of front, body, and rear matter information for Soldier Training Publications. The DTD also allows development and output of selected parts of a Soldier Training Publications.

Distribution Statement A: Approved for public release, distribution is unlimited.”

B.3.2.2 Document Type Definition (DTD). The formal public identifier for the Soldier Training Publications DTD is "-//DOD-USA//DTD Soldier Training Publications REV 4.0 20000515//EN”. See paragraph B.1 for information regarding how to obtain the Soldier Training Publications DTD.

B.3.2.3 Elements. The formal public identifiers for the STP are the following DTD subsets.

B.3.2.3.1 STP Common Elements. The formal public identifier for the STP Common Elements stp_common.ent elements is "-//DOD-USA//ELEMENTS STP Common REV 4.0 20000515//EN".

B.3.2.3.2 STP Introduction Information. The formal public identifier for the STP Individual Tasks stp_intro.ent elements is "-//DOD-USA//ELEMENTS STP Introduction REV 4.0 20000515//EN".

B.3.2.3.3 STP Trainer’s Guide. The formal public identifier for the STP Trainer’s Guide stp_tg.ent elements is "-//DOD-USA//ELEMENTS Trainer’s Guide WP REV 4.0 20000515//EN" .

B.3.2.3.4 STP Individual Tasks. The formal public identifier for the STP Individual Tasks stp_task.ent elements is "-//DOD-USA//ELEMENTS Individual Task WP REV 4.0 20000515//EN”.

B.3.2.3.5 STP Appendix Information. The formal public identifier for the STP Appendix Information stp_appendix.ent elements is "-//DOD-USA//ELEMENTS STP Appendix REV 4.0 20000515//EN".

B.3.3 System Training Plan (STRAP) DTD. This standard includes instructions for the development of front, body, and rear matter information for STRAPs. The DTD also allows development and output of selected parts of a STRAP.

B.3.3.1 Abstract. “This DTD provides the training developers with a systematic approach for managing the development and integration of training for new systems. It contains detailed instructions for preparation and submission of the System Training Plan (STRAP).

This standard includes instructions for the development of front, body, and rear matter information for System Training Plan. The DTD also allows development and output of selected parts of a System Training Plan.

Distribution Statement A: Approved for public release, distribution is unlimited.”

B.3.3.2 Document Type Definition (DTD). The formal public identifier for the STRAP DTD is "-//DOD-USA/ /DTD STRAP REV 4.0 20000515//EN”. See paragraph B.1 for information regarding how to obtain the STRAP DTD.

B.3.3.3 Elements. The formal public identifier for the STRAP strap_annex.ent elements is "-//DOD-USA// ELEMENTS STRAP Annex REV 4.0 20000515//EN".

B.3.4 Preparation of MIL-STD-2361ATraining Common Elements. The following paragraphs list the FPIs for the common subset SGML elements used in one or more MIL-STD-2361A DTDs.

B.3.4.1 Subset element TRADOC_TM.ENT. The formal public identifier for the tradoc_tm.ent is "-// DOD-USA//ELEMENTS ARMY/TRADOC REV 4.0 20000515//EN".

B.3.4.2 Subset element TRADOC_DOD.ENT. The formal public identifier for the tradoc_dod.ent is "-// DOD-USA//ELEMENTS DOD/TRADOC REV 4.0 20000515//EN".

B.3.4.3 Subset element TRADOC_ENTITIES.ENT. The formal public identifier for the tradoc_entities.ent is "-//DOD-USA//ENTITIES TRADOC REV 4.0 20000515//EN".

B.3.4.4 Subset element TRADOC_COMMON.ENT. The formal public identifier for the tradoc_common.ent is "-//DOD-USA//ELEMENTS TRADOC REV 4.0 20000515//EN".

B.4 Tag Description List for Training Publication DTDs, Entities and Training Common Tags. The SGML tag description requirements for MIL-STD-2361A Training Document Type Definitions (DTD), entities and Training common tags may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph B.1.

B.5 SGML Text Entities. The SGML text entities referenced in this appendix shall be used to prepare Training publications in accordance with this standard and TR 350-70. The text entities to be used for development of Training publication in compliance with this standard and TR 350-70may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph B.1.

Doctrine Publications SGML

C.1 Scope. This appendix contains the abstract for the conforming MIL-STD-2361A Doctrine publications Document Type Definition (DTD) and Formal Public Identifier (FPI) for its sub-elements. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. The MIL-STD-2361ADTDs shall be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. U.S. Mail: Requested files will be mailed on 3.5” DOS formatted diskettes or on 1/4” UNIX tar formatted tape. Requests may be submitted as follows:

(1) Written request:

Director, USAPA
ATTN: JDHQSV-PAP-E
2461 Eisenhower Avenue
Alexandria, VA 22331

(2) Telephone request:

Commercial: (703) 428–0508 or 0504
DSN: 328–0508 or 0504

C.1.1 Application. Data prepared in conformance with the requirements set forth in this standard will facilitate the automated storage, retrieval, interchange, and processing of doctrine publications from multiple and different sources, and allow the reuse of common data among multiple products and on different media. The DTD contained in this appendix shall be prepared in accordance with this standard and TR 350-70.

C.1.2 Conformance. The conforming DTD contained in this standard were developed by rigidly interpreting the structure, content, and style requirements of the functional requirements document listed above, and are a logical extension of the requirements contained in MIL-PRF-28001. Doctrine publications preparers, and any other users of the doctrine DTD, SGML tags, tag descriptions and SGML text entities, shall not deviate from the structure, content, or style requirements of these standards. The doctrine publications DTD, SGML tags, tag descriptions and SGML text entities may be obtained through the ASRL as described in paragraph C.1, above.

C.2 Applicable Documents. Refer to Section 2.

C.3 Doctrine Publications Document Type Definition (DTD).

C.3.1 Field Manual Markup Language (FMML). This standard includes instructions for the development of front, body, and rear matter information for Field Manuals (FM). The DTD also allows development and output of selected parts of a FM.

C.3.1.1 Abstract. “This FMML DTD describes the SGML structure tagging conventions found in MIL-STD-2361A for U.S. Army Training and Doctrine Command (TRADOC) field manuals. FMs are Department of the Army (DA) publications that describe Army doctrine and tactics. FMs also implement ratified international standardization agreements. They are normally the basis for development of training materials.

This standard includes instructions for the development of front, body, and rear matter information for Field Manuals (FM). The DTD also allows development and output of selected parts of a FM.

Distribution Statement A: Approved for public release, distribution is unlimited.”

C.3.1.2 Document Type Definition (DTD). The formal public identifier for the FMML DTD is "-//DOD-USA/ /DTD FMML REV 4.0 20000515//EN”. See paragraph B.1 for information regarding how to obtain the FMML DTD.

C.3.1.3 Elements. The formal public identifier for the FM fm_common.ent elements is "-//DOD-USA// ELEMENTS Doctrine Content Tags REV 4.0 20000515//EN”.

C.3.2 Preparation of MIL-STD-2361A Doctrine Common Elements. The following paragraphs list the FPIs for the common subset SGML elements used in MIL-STD-2361A FMML DTD.

C.3.2.1 Subset element TRADOC_TM.ENT. The formal public identifier for the tradoc_tm.ent is "-// DOD-USA//ELEMENTS ARMY/TRADOC REV 4.0 20000515//EN".

C.3.2.2 Subset element TRADOC_DOD.ENT. The formal public identifier for the tradoc_dod.ent is "-// DOD-USA//ELEMENTS DOD/TRADOC REV 4.0 20000515//EN".

C.3.2.3 Subset element TRADOC_ENTITIES.ENT. The formal public identifier for the tradoc_entities.ent is "-//DOD-USA//ENTITIES TRADOC REV 4.0 20000515//EN".

C.3.2.4 Subset element TRADOC_COMMON.ENT. The formal public identifier for the tradoc_common.ent is "-//DOD-USA//ELEMENTS TRADOC REV 4.0 20000515//EN".

C.4 Tag Description List for Doctrine Publications Field Manual Markup Language (FMML) Document Type Definitions (DTD), Entities and Doctrine Common Tags. The SGML tag description requirements for MIL-STD-2361A Field Manual Markup Language (FMML) Document Type Definitions (DTD), entities and Doctrine common tags may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph C.1.

C.5 SGML Text Entities. The SGML text entities referenced in this appendix shall be used to prepare Doctrine publications in accordance with this standard and TR 350-70. The text entities to be used for development of Doctrine publication in compliance with this standard and TR 350-70 may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph C.1.

Administrative Publications SGML

D.1 Scope. This appendix contains abstracts for the conforming MIL-STD-2361A administrative publications Document Type Definitions (DTD) and Formal Public Identifiers (FPI) for their sub-elements. This appendix is a mandatory part of this standard. The information contained herein is intended for compliance. The MIL-STD-2361A DTDs shall be obtained from the Army SGML Registry and Library (ASRL) by the following means:

a. World Wide Web (WWW): ASRL homepage Uniform Resource Locator (URL) http://www.asrl.com/

b. U.S. Mail: Requested files will be mailed on 3.5" DOS formatted diskettes or on 1/4" UNIX tar formatted tape. Requests may be submitted as follows:

(1) Written request:

Director, USAPA
ATTN: JDHQSV-PAP-E
2461 Eisenhower Avenue
Alexandria, VA 22331

(2) Telephone request:

Commercial: (703) 428–0508 or 0504
DSN: 328–0508 or 0504

D.1.1 Application. Data prepared in conformance with the requirements set forth in this standard will facilitate the automated storage, retrieval, interchange, and processing of administrative publications from multiple and different sources, and allow the reuse of common data among multiple products and on different media. The DTDs contained in this appendix shall be prepared in accordance with this standard and AR 25-30.

D.1.2 Conformance. The conforming DTDs contained in this standard were developed by rigidly interpreting the structure, content, and style requirements of AR 25-30, and are a logical extension of the requirements contained in MIL-PRF-28001. Administrative publications preparers, and any other users of these DTDs, SGML tags, tag descriptions and SGML text entities, shall not deviate from the structure, content, or style requirements of these standards. The administrative publication DTDs, SGML tags, tag descriptions and SGML text entities may be obtained through the ASRL as described in paragraph D.1, above.

D.2 Applicable Documents. Refer to Section 2.

D.3 Administrative Publications Document Type Definitions (DTD).

D.3.1 Multi-Service Army Regulation (MAR).

D.3.1.1 Abstract. "This DTD is used for the fielding of administrative publication product Multi-Service Army Regulation (MAR). The MAR is an official multi–service publication that applies to more than one military department or Government agency. MARs contain policies, procedures, and information that are needed to perform a mission or function common to two or more military departments, DOD agencies, or other Government agencies. Department of the Army (DA) is the designated executive agent for development, coordination, and publication of MARs.

This standard includes instructions for the development of front, body, and rear matter information for MARs. The DTD also allows development and output of selected parts of a MAR.

Distribution Statement A: Approved for public release, distribution is unlimited."

D.3.1.2 Document Type Definition (DTD). The formal public identifier for the MAR DTD is "-//DOD-USA// DTD Multi-Service Army Reg. (MAR) REV 5.0 19990624//EN". See paragraph D.1 for information regarding how to obtain the MAR DTD.

D.3.2 Army Regulation (AR).

D.3.2.1 Abstract. "This DTD is used for the fielding of administrative publication product Army Regulation (AR) and Air Force Regulation (AFR). The AR is an official Army directive and the AFR is an official Air

Force directive (in Army format), both of which set forth missions, responsibilities, and policies and establish procedures to ensure uniform compliance with those policies.

This standard includes instructions for the development of front, body, and rear matter information for ARs and AFRs. The DTD also allows development and output of selected parts of an AR or AFR.

Distribution Statement A: Approved for public release, distribution is unlimited."

D.3.2.2 Document Type Definition (DTD). The formal public identifier for the AR DTD is "-//DOD-USA// DTD Army Reg. (AR) REV 5.0 19990624//EN". See paragraph D.1 for information regarding how to obtain the AR DTD.

D.3.3 Department of the Army (DA) Circular (CIR).

D.3.3.1 Abstract. "This DTD is used for the fielding of administrative publication product Department of the Army Circular (DA CIR). DA CIRs are temporary directive publications that expire two years or less after date of issue.

This standard includes instructions for the development of front, body, and rear matter information for DA CIRs. The DTD also allows development and output of selected parts of a DA CIR.

Distribution Statement A: Approved for public release, distribution is unlimited."

D.3.3.2 Document Type Definition (DTD). The formal public identifier for the DA CIR DTD is "-// DOD-USA//DTD Circular (CIR) REV 5.0 19990624//EN". See paragraph D.1 for information regarding how to obtain the DA CIR DTD.

D.3.4 Department of the Army (DA) Pamphlet (PAM).

D.3.4.1 Abstract. "This DTD is used for the fielding of administrative publication product Department of the Army Pamphlet (DA PAM), Manual for Courts Martial (MCM), Technical Manual (TM), Technical Bulletin (TB), non-TRADOC Field Manual (FM), Training Circular (TC), Automatic Data Systems Manual (ADSM), Supply Bulletin (SB) and Supply Catalog (SC). DA PAM, MCM, TM, TB, FM, TC, ADSM, SB and SC are permanent procedures, specific guidelines or referenced data publications. A standard pamphlet is organized and printed in the same format as an AR.

This standard includes instructions for the development of front, body, and rear matter information for DA PAM, MCM, TM, TB, FM, TC, ADSM, SB and SC . The DTD also allows development and output of selected parts of a DA PAM, MCM, TM, TB, FM, TC, ADSM, SB or SC .

Distribution Statement A: Approved for public release, distribution is unlimited."

D.3.4.2 Document Type Definition (DTD). The formal public identifier for the DA PAM DTD is "-/ /DOD-USA//DTD Army Pamphlet (PAM) REV 5.0 19990624//EN". See paragraph D.1 for information regarding how to obtain the DA PAM DTD.

D.3.5 Multi-Service Department of the Army (DA) Pamphlet (MAP).

D.3.5.1 Abstract. "This DTD is used for the fielding of administrative publication product Multi-Service DA Pamphlet (MAP). MAPs are permanent procedures, specific guidelines or referenced data publications that apply to more than one military department or government agency. A standard pamphlet is organized and printed in the same format as an AR.

This standard includes instructions for the development of front, body, and rear matter information for MAPs. The DTD also allows development and output of selected parts of a MAP.

Distribution Statement A: Approved for public release, distribution is unlimited."

D.3.5.2 Document Type Definition (DTD). The formal public identifier for the MAP DTD is "-//DOD-USA/ /DTD Multi-Service Army Pamphlet (MAP) REV 5.0 19990624//EN". See paragraph D.1 for information regarding how to obtain the MAP DTD.

D.4 Tag Description List for Administrative Publication DTDs and Entities. The SGML tag description requirements for MIL-STD-2361AAdministrative Publications Document Type Definitions (DTD), entities and Doctrine common tags may be obtained through the Army SGML Registry and Library (ASRL) as described in paragraph D.1.

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CONCLUDING MATERIAL

Custodians:
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Army - AC1

Project Number:
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